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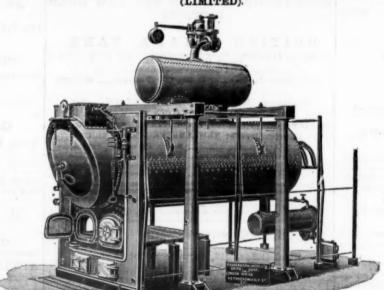
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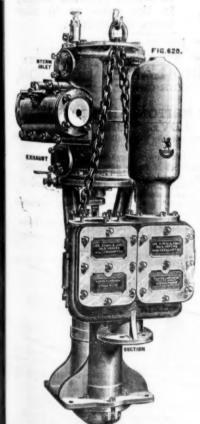
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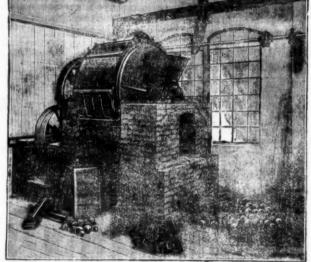
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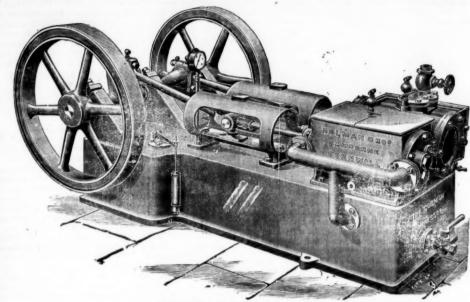
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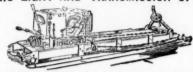
At Botallack Mine, St. Just, Cornwall, TWELVE MEN with TWO new Patent CORNISH ROCK DRILLS CATALOGUES UPON APPLICATION. dove, sunk, and rose 288 FATHOMS in 12 MONTHS, equal to five times the Speed of Hand Labour Sec. A. MATHEMATICALA MINING INSTRUMENTS, MINERS' LAMPS, &c. At Wheal Grenville Mine, Camborne, Cornwall, SIX MEN with TWO new Patent CORNISH ROCK DRILLS started from the 150 FATHOMS level and put up in EIGHT MONTHS a 11 FEET by FEET PERPENDICULAR RISE 46 FATHOMS 5 FEET 6 INCHES, and about midway drove 1 FATHOM 5 FT. No communication of any kind was effected until holing to the Shaft brought down from surface.

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Clarkson-Stanfield Ore Reduction Co.

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The Machine is superior to Sieves for Sizing Homogeneous Substances, such as Emery, Sand, and Powders, and may be used to great advantage in the preparation of Ochre.

N.B.—The owners of the Carndochan Mine, near Bala, North Wales, will, by arrangement, show their CLARKSON-STANFIELD plant working on a Refractory Low Grade Gold Ore.

NEW PATENTS.

Metallurgical, Engineering, Railway and kindred matters, specially compiled from official sources for the "Mining Journal" by Mesars Rayner and Company, Patent Agents, 2, Chancery Lane, London, W.C., who will forward all informations of the company of the compa ation regarding them free on application-

Thomas York, 104, Colmore Row, Birmingham.—Certain new and useful improvements in steam boiler furnaces.—March 23.

Rany Robert Angel, 7, St. Helen's Place, London.—Improvements in the treatments of refractory or other ores.—March 24.

In John Imray, 28, Southamptor Buildings, Chancery Lane, London.—Apparatus for separating voiatile metals from their alloys.—March 25.

Alfred William Davies, 48, Putnev Bridge Road, Wandsworth.—Metallic garden edging and border.—March 25.

William Henry Griffiths, 26, Castle Street, Liverpool.—Improvements in the steam engines.—March 26.

Alexader Karysckeff and Sergie Demmini, 22, Southampton Buildings, Chancery Lane, London.—A new pyrochemical process and apparatus for the direct production of iron and other metals from their ores.—March 26.

Thomas Parker, and Siz, John Registric Stone Knight, 6, Bream's Build.

SPECIFICATIONS PUBLISHED.

Cili, Wynne, rock drilling machines, March 28, 1895; 6440. Wolinator, steam ogias, March 28, 1895; 3712, Caddy and Co.(Linited) and Edwards, furnaces, farch 18; 529, Schmidt, steam bollers, March 28, 1895; 9331, Moore, steam inas, March 28, 1895; 18270, Montupet, steam bollers, March 28, 1896; 1043, Rit, steam engines, March 28, 1896; 1442, Scott, boller feeder, March 28, 1896; 1896, Lake, sugine valves, March 28, 1896; 1893, Bergermeister, rotary engines.

The above specifications published may be had of Messrs. Rayner and Co., 37, heavy Lane, London, at 10d, each, including postage,

JOINT-STOCK COMPANIES.

NEW REGISTRATIONS.

THE following are among the joint-stock companies registered at Somerset House since our last notice:

Mineral Oils Corporation (Limited).—Registered March 27 by Richard Flint and Co., 28, Freet Street, E.C., with a capital of £.20,003 in £.0 shares. Objects: To adopt and earry into effect three several agreements—the first, made March 23, between Dr. P. Dorkorits, of Dovomshire Ohambers, London, of the one part, and O S. Hanting, an abshaft of this company, of the other part; the second made between C. S. Hunting, as above, of the one part and James R. McOlurg, of 13, Seulah Grover, West Crovdon, of the other part; the third, expressed to be made between Hunting and Son, of Newcastie, of the one part and William Joseph Eitringham, of Newcastie, on behalf of this company, of the other part; and, generally, to carry on the businesses of importers and stores of and dealers in mineral, animal, or vegetable oils, either crude or semi-orade, or refined or semi-refined, and to render the same marketable, slos as general merchants, carriers by land or water, wharfingers, warehousemen; as ship and barge owners; to acquire and turn to account any patents, patent rights, &c.; to scouter, open and work oil wells, and to construct pips lines; to construct, maintain, and work rail and tram roads; as coopers, &c., in all or any of their respective branches. The first directors—of whom there shall not be less than five—are Charles Hunting, Charles S. Hunting, James Duffield, and Edward A. Gibson. Qualification, £2500. Remuneration, £300 per annum, divisible.

Donogal Granite Quarry (Limited).—Registered March 30 by Mayo, 10, Drapere Gardens, E.O., with a capital of £50,000, divided into 50,000 shares of £1 each. Object: To acquire, by purchase, lease, or otherwise, sattle, improve, and colonies any farms, lands, estates, &c., in Ireland or elsewhere; to clear, drain, plant, or build thereon; as miners and smelters, quarry owners, timber merchants; to construct, maintain, and work rail and tram roads, caserovirs, acquaries, by

The Secretary of the ISLE OF MAN MINING COMPANY sold on Wednesday with sold on Wednesday 100 tons of the company's ore at £8 13s. per

CONTRACTS OPEN:

FOR MINE, QUARRY, RAILWAY, AND ENGI-NESRING WORK, STORES, &c.

THE following are among the joint-stock companies registered at Somerset House since our last notice:—

Mineral Oils Corporation (Limited)—Registered March 27 by tenders. In the latter case contract prices should be garn.

The date given is that by which tenders must be delivered, in nearly all cases further information can be obtained on application at the addresses given. In applying for such the name of "The Mining Journ is should be mentioned as the original source of the information, concerning which further particulars are required,

HOME CONTRACTS.

MSinking Shafts. April 15 (Hylton).—For the sinking of two shafts and the construction of a tunner beneath the River Warr at Hylton, for the Sunderland and South Shields Water Company. Drawings and specifications may be inspected, and forms of tender may be obtained, on payment of \$2.2a. (returnable it a bona tender be made), at the office of the company, 15, Fawcett Street, Sunderland, and at the office of the company, 15, Fawcett Street, Sunderland, and at the office of the company, 15, Fawcett be delivered at the office of the company, Sunderland, at or before 10 a.m. on 15th inst. Mr. J. W. Sutherland, Secretary.

Coal and Shale. April 16 (Barrhand, Scotland).—For supplies of first-second, and third case cannels, also splint out and shale for one or two years as may be agreed upon, commancing May 15, for the Barrhaed Gaslight Company (Limited). The coals are to be the best of their respective kind, well screened, and free from dross. Tenders, to include carriage to Barrhead, must be lodged with Mr. J. W. Carmichael, manager, by 15th inst.

Coal. April 13 (Coatbridge, Scotland).—For next season's supply of cannel, splint, or heading coal, for the Oatbridge for Company, Incorporated. Sealed tenders to Mr. Thomas Wilson, secretary and manager, Gasworks, Coatbridge, by 15th inst., and endorsed "Fender for Coal."

Railway Works, April 21 (Newbridge and Crumius).—For works in con-

by 13th inst., and endorsed "Tender for Coal."

Railway Works. April 21 (Newbridge and Crumin),—For works in connection with the construction of an additional line of rails between Newbridge and Crumin, including the excavation of earthwork near Aberberg, for the Great Western Bailway Company. Plans and specification may be seen and forms of tender and bills of quantities obtained at the office of the engineer at Newport station between 13 a.m. and 4 p.m. Tenders addressed to Mr. G. K. Mills, secretary, Paddington Station, London, and marked outside "Tender for Works between Newbridge and Crumlin, &c.," will be received on or before 21st inst.

Railway Construction, April 21 (Usk, Mon.).—For the construction of the Fast Usk Railway, near Newport, a length of about 2½ miles, for the Great Western Railway Company. Plans and specifications may be seen and forms of tender and bills of quantities obtained at the office of the engineer at Newport Station, between 10 a.m. and 4 p.m. Tenders addressed to Mr. G. K. Mills, secretary, Paddington Station. London, and marked outside "Tender for East Usk Railway," will be received on or before April 30. (Herfield,.—Tenders for the supply of fuel wood to the 3rd Battalion Gloucester Regimen's during their training at Horfield, commencing aboutly one 1, will be received at the Headquarter Office, Devonport, until noon on 20th inct. Forms of tender and any further particulars can be obtained on application to the Assistant-Adjutant General B. Headquarter Office, Devonport, or to the Officer commanding the corps at Horfield.

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MINING IN THE STATE OF CHIAPAS, MEXICO.

(Concluded from page 435.)

Providencia Ore Channel or Courses.

Providencia Ore Channel or Courses.

PERHAPS the most interesting part of the mine is that on the Providencia side of the creek, separated from Santa Fé by about 200 to 250 feet. It is here that evidences of upheaval fissuring and overturning of rocks are plainly visible. At the mouth of the Providencia Mine a small mass of rich ore was cut, and in no other part of the mine has gold been found in so visible a state. To the south-west of this ore body another rich visible a state. To the south-west of this ore body another rich vein-like body, called the Old Providencia, has been opened up, running in a south-westerly direction for 400 feet. Above the adit level it rises for above 100 feet, and is worked partly as an open cut and partly by overhand stopes from below. It runs from 20 feet to a few inches in width, being wider near the surface than at the lower level, where it is pinched. Towards the surface it is overlaid by a rising ridge of about 30 to 80 feet, composed of about 8 feet of barren white wollastonite immediately overlying the cap of the deposit, with decomposed and cleared away; the dip is about 80° to the westward. This deposit has been traced to the outer contact of the wollastonite by the level below, and where it ends in a trap rock; it may, however, nearer the surface, rise with the hill beyond as an inclined chute or pipe of cre, ending in the Santa Maria outgrap at an elevation of about 120 feet above its present surface 1.vol, and 300 feet beyond.

San Juan Ore Body.

San Juan Ore Body.

To the eastward of the Providencia Mine a strong looking ore Providencia Mine, which has every ap carance of being one and the same ore channel as the mouth of the Providencia Mine and Old Providencia ore bodies are formed in. The ore is much disturbed and irregular here, but dips to the south-east and east, with a curve to the south, south-east, and south-west. Connecting these three ore bodies as one and the same channel of ore, they form a segment of an ellipse, with its convex side to the northward, as is the case in the Santa Fé and Taylor No. 3 ore bodies, and with a dip always away from its foci. In depth the northward, as is the case in the Santa Fe and Taylor No. 3 ore bodies, and with a dip always away from its foci. In depth the San Juan ore body would seem to have some connection with Santa Fé; in close proximity to it an extensive cavernous, or rather vein-like crevice exists, the water in which finds its way under the river (Pine Creek) and shoots out through bore holes in the face of a drift that was being driven from the bottom of the Santa Fé shaft, 90 feet below in vertical measurement and 250 feet in horizontal. This crevice for some 50 or 60 feet forms on one side of the ore course; some fine copper float stones being found in it led to the discovery of this ore body. Some 10,000 gallons per hour are being pumped out, which, however, barely lowers the water 1 foot per week. The water issues from the bore holes at a temperature of 5° above water issues from the bore holes at a temperature of 3 waves that in any other part of the mine, and may thus point to the proximity of an ore body below. This crevice has been now pumped out to 60 feet on the incline that dips toward Santa F6.

The limestone in the vicinity of the crevice is heaved and broken up, forming, comparatively speaking, great saddles, with crevices and fissures comformable to the folds, which again are full of blowholes or vents. The limestone itself is in a semi-crystallised blowholes or vents. The limestone itself is in a semi-crystallised state near the disturbance, and even outside the ore course proper is impregnated with bornite and copper pyrites. The ore body here seems to be a little below the ore body at the entrance of the Providencia Mine, and this again below the general level of the Old Providencia, looking almost like an elliptical shaped channel of ore, which gradually ascends out of the earth; while at a lower depth it may have a connection with Santa Fé ore bodies, and eventually prove to have been the source of the origin of these ore bodies. origin of these ore bodie

Geological Summary. The general appearance of the mine is that of a great volcanic The general appearance of the mine is that of a great volcanic upheaval, speaking in a very local and limited sense. The whole of the limestone deposit seems to have been upheaved by an intrusive rock from below, cracking and fissuring it along curved planes more or less symmetrical to each other, and not unlikely with those of the igneous rocks below. At the same time, under great heat, pressure, and vapours charged with silica, the limestone would seem to have been metamorphosed into its present state. Along the planes of fracture, the limestone more or less in a plastic state, caused vapours charged with sincs, the limestone would seem to have been metamorphosed into its present state. Along the planes of fracture, the limestone, more or less in a plastic state, caused by the sudden release from pressure, burst forth, and partially or completely filled up the open crevices at the moment of their formation, and enclosed the heavy sublimates of the metals forced up at the same moment of time through them, which, since recreating out may have given to it its present appears. egregating out, may have given to it its present appear-It is not asserted that such was the case, but simply that such is it aspect to an ordinary observer.

Mineralogical Summary.

The wollastonic is of a pure white, massive variety, though found in shades of pink or flesh colour, yellow, and, where decomposed and rotten, of a deep chocolate colour. In the ore zones it is always more or less associated with garnet, and near the greatest disturbances is in a semi-crystallised state—or the greatest disturbances is in a semi-crystallised state—or semi-crystallised magma more clearly explains its appearance—and often found with a coarse stellular structure. On the inner contact it changes to a friable quartz or a hard agatey wtone. On the outer contact it is associated with garnet. Both aragonite and Ice'and spar are found in it in small quantities, especially the latter. The bulk of the mineral is bornite, associated with copper and iron pyrites, but free, comparatively speaking, of the latter mineral, grey copper ore, bornite, chryscoolla, azurite, malachite, and galena. Of these, seldom any in large quantity, save galena, and that only so on the outer zone. Gold is found more or less in a free state, both in a coarse and very fine state of division. It is not actually a coarse and very fine state of division. It is not actually known in what state silver occurs, but probably as a micro-

Mine Works

As the ore has thus far been opened up mostly above adit level, no special difficulty has been met with in its extraction. In the stopes the miners are tasked to bore 42 to 60 inches a day of 10 hours' shift, single handed, according to the nature of the ground. The driving of levels is mostly let on contract, of the ground. The driving of levels is mostly let on contract, averaging about 25s. per foot in the wollastonite, inclusive of cost of explosives, and averages about 4 to 44 feet per week for a fevel of 7 feet by 6 feet for four men. With a Rand rock drill the progress for the same ground is more than double, being not less than from 9 to 10 feet per week. The rock is somewhat tough, and breaks badly, owing to its fibrous character, especially when driving on end. In the stopes, chiefly worked overhand, the ore is broken on to stages supported by stull-timbers, but where over 8 to 9 feet wide, and the walls are weakened, square sets are built ap. The blasting material is dynamite, of which from 2000 to 2300 lbs. are used per month. For light, small Scotch lamps

are used, with a mixture of crude Virginia and miners special lamp oil in equal parts. From the Providencia Mine the ore is trammed and shot on to a lower plat, where it runs into the cars on the low level line that runs direct to the mill, where it is finally dumped on to the ore floor at the top of the mill. Santa Fé ore is run out direct to the mill on the low level line without any re-handling. Stoping, inclusive of timbering, has cost during the past two years 2s. 11d. per ton. The rock-drill men—those in charge of the machines—obtain double the ordinary miner's pay, and are chosen from the best and most reliable of the miners; hence, to be a machine man is a post much coveted, and were it not for the fear of losing the position through carelessness or bad work, the rock-drill work would not compare so favourably with hand work. The nomenclature of the drifts and favourably with hand work. The nomenclature of the drifts and crosscuts is very confusing and misleading, as, owing to the ore courses running on curved lines, crosscuts have become drifts, and drifts begun as such have turned into crosscuts. Accidents have been comparatively few, in spite of the great majority of workers being inexperienced hands, and of easy, careless disposition. As the interest in the mine is more in its peculiar formation, I will but briefly refer to the power works lately put in and mills

Power Works

The power is derived from Pine Creek, at a distance of 3500 feet from the mill, and at a vertical height of 415 feet above it, the water being there led into an 18 inch steel rivetted pipe line, descending to the base of the mills. For the first few buydred feet the wards is contact a very contact from this the pipe. hundred feet the grade is about 4 per cent, after which the pipe descends by four steep gradients to the mills, ending in two branches, the main branch going to work the 60 ton concentrating mill, an 80 horse power air compressor, a 10 stamp battery, with small hoist for elevating tailings from bottom of battery, with small holst for elevating tailings from bottom of jig mill to battery, with small holst for elevating tailings from bottom of jig mill to battery ore bins, three Evans' tables, Frue vanner, lathe, and small 18 inch circular saw; the smaller branch works a 40 horse power Rand compressor, connected direct to a 5 feet Pelton wheel. A 4 feet Pelton wheel runs the rest of the machinery, as above described.

Pipe Line.

The pipe line was sent out in 4 feet sections, which were rivetted up and put together in 20 feet lengths, each length rivetted up and put together in 20 feet lengths, each length with a spigot and faucet ring rivetted on at either end. These 20 feet lengths were then dipped and placed in situ, beginning from the lower end, jointed up, and caulked with lead. For the first 1500 feet, commencing at the head of the pipe line, the pipe is 18 inches in diameter, of \(\frac{1}{2}\) inch B.W. gauge, single rivetted; the next 500 feet is of the same gauge, but reduced to 17\(\frac{1}{2}\) inches diameter, and double rivetted; the remaining distance being of 5-32 B.W. gauge double rivetted, and reduced to 17 inches diameter. The main branch ends in a 2 inch nozzle placed midway between the main branch ends in a 2 inch nozzle placed midway between the concentrating and stamp mills, and directly in front of the concentrating and starp mills, and directly in front of the 80 horse-power compressor, driving them by means of belt and counter-shaft gearing. No great trouble was experienced in rivetting up and putting together the pipe line, which was chiefly done by the aid of unskilled native labour. The most difficult part of the work was finding, surveying, and grading a practical route along the precipices, as, owing to the narrow and circuitous gorges through which the river runs, no way could be found along its margin. The line was finished just in time to save shutting down the concentration mill, owing to a prolonged season of drought, the old power taken off at 79 feet head, being, save in the dry season, but just sufficient to run this mill alone. At the end of about 20 months of unprecedented drought, even with the 415 feet head of water, it was insufficient to run the compressors, though both mills were enabled to run throughout. Ordinarily there is always ample power, except in the dry month of May. From below the mill to the Rio de las Sierras there is as much power available again as above it, while, if need be, there is further water power available from the larger river. available from the larger river.

Concentrating Mill.

The crushing plant consists of a 10 inch by 7 inch Blake crusher and three sets of rolls 14 inches by 24 inches. The dressing plant consists of two elevators, hydraulic classifiers, trommels, and 14 three-compartment Hartz jigs, two Collom jigs, three Evans' buddles, and one Frue varner, which will be shortly supplemented by a second.

Treatment.

Treatment.

The ore is delivered at the top of the mill to a floor flush with the feed of the Blake. Thence it passes by grizzles and trommels to the coarse and medium set roils, all that passes a No. 2 mesh passing to the latter, when it falls to the bottom of the elevator, is elevated and riddled through Nos. 4 and 5 mesh screens, returning the coarse again to the rolls. The elevator is some 30 feet in height, made up of seven-ply rubber belt, with maleable ca-t-iron cups. 10 inches by 6 inches, set at distances of 18 inches apart, fastened to the belt by pals formed out of old pieces of belting with 3 inch Norway elevator bolts, and is run at a speed of 320 feet per minute. Formerly a link chain belt with sprocket wheels was in use, but it was superseded by the belt with better results. The ore passing through the No. 4 and No. 5 screen trommels, falls into the runs of the hydraulic classifiers. The Calumet and Hoela form has been replaced by the present, a pyramidal form of box, but with no better or worse results. The jig floor is divided into an upper and lower floor with a gangway running between the two. The upper floor carries three pairs of Hartz jigs, each pair of which is divided by the centre aisle; the first pair are set with a stroke of about 1 inch, running 140 strokes per minute; the second pair at 3 inch stroke, running 156 strokes per minute; the third pair at 4 inch stroke, running 186 strokes or pulsations per minute, the mesh being Nos. 8, 10, and 12 to 14 respectively. The lower floor is a duplicate of the upper, with an extra pair of jigs, which take the finer sands of the whole mill; these are set at about ½ inch, and make 240 pulsations per minute. The slimes run into settling tanks, and are treated on the buddles and vanner. The middlings from the coarse set jigs are drawn off automatically, and, falling into the boot of a second but smaller elevator, are middlings from the coarse set jigs are drawn off automatically, and, falling into the boot of a second but smaller elevator, are and, falling into the boot of a second but smaller elevator, are raised to a third set of rolls, and crushed as finely as possible; these almost entirely consist of garnut carrying ore. Water for washing purposes is brought through 1000 feet of 12 inch steel piping formerly used to run the smaller compressor, but there seldom being enough water to run it in Copper Creek, this pipe line was discarded; there being an excess of power more often with the new pipe line than there is power enough in Copper Creek, the line was thus made serviceable.

Difficulty of Treatment.

Difficulty of Treatment.

The loss in tailings is very large, averaging about 55 per cent. of the silver, 49 to 50 per cent. of the gold (of this the final gold loss is reduced to about 10 per cent. by stamping), and 47 per cent. of copper. This loss is mainly due to two causes:—

(1) The high grade of concentration necessary in order to make it profitable to send it on its long journey to England.

(2) The nature of the ore itself.

(2) The nature of the ore itself.

The ore is annually dressed up to 40 per cent. of copper, 5\frac{1}{2} to 7\frac{1}{2} cunces of gold, and 56 cunces of silver. Above this the loss becomes too great; and telow, the saving is not proportionate to the extra cost in carriage. By far the more serious loss is

that caused by the garnet, which fills the jigs, concentrating itself from the lighter wollastonite gangue.

Not only is this loss caused by its high specific gravity, but also from the great difficulty in sizing the ore, the garnet breaking into solid-like spheroidal grains, while the bornite, being brittle and somewhat sectile, the two in a practical sense become inseparable. When extremely fine crushing is resorted to, the copper and silver are lost in the slimes. With ore from the Santa Fé side the loss is much less, the garnet being less in it than from the Providencia side. The latter, too, is a harder ore, and the wear on the rolls is greater, the output is somewhat lessened when entirely of it. The monthly output of concentrates varies with the degree of concentration, but is from 65 to 75 tons. About 55 tons of ore (2240 lbs. to the ton) is treated per day. The mill is run on 12 hour shifts with an average of 27 days per month, exclusive of all stoppages, which is a good record for Mexico, with its numerous feast days.

Tailings from Concentrating Mill.

Tailings from Concentrating Mill.

As the tailings leave the mill they are stored in ponds, with the exception of about 36 per cent., which are hoisted up a long trestle work skipway, and automatically dumped into the stamp ore bins for further treatment.

Ten-stamp Battery.

Ten stamp Battery.

This comprises two five-stamp batteries, 650 lb. stamp, sectional mortars, with the lower or box portion in five segments, carefully machined-planed and bolted together with the upper part of boiler plate housing rivetted together. The jig mill tailings pass from the bins by two challengeleeders into the mortars, passing out through a 30-me-h wire cloth screening. The drop is 6 inches, and from 90 to 94 blows per minute. Inside plates are found to seour, but by feeding in mercury every half hour inside amalgamation without them gives 20 per cent. of the amalgam caught. The outside copper plates are cleaned of amalgam every 24 hours, and are brushed up with a weak cyanide solution every six hours with a whisk broom, and intermediately brushed up without stoppage with a soft whitewash brush. Under this treatment the plates are found to keep clean and bright. Now and again they become badly cut when in the vicinity of a grey copper ore in the mine, but as this mostly occurs in bunches, it is as far as possible picked out by boys in the mine. Directly the cause is removed they quickly recover their former appearance. Dies wear very rapidly as compared with shoes; the converse of ordinary practice, both forgod steel and chrome iron give like results, the life of a single shoe being equal to 3½ dies, or lasting to crush 4000 tons of sands. Once a month the dies are removed and the mortar shoe being equal to 3½ dies, or lasting to crush 4000 tons of sands. Once a month the dies are removed and the mortar boxes cleaned up, the sands being passed through a small machine of the Attwood type, made on the mine, and which answers the purposes of a clean-up pan. The stamp tailings are treated on the Evans tables and vanner, but, though saving something like 4 to 5 per cent. give upsatisfactors results as are treated on the Evans tables and vanner, but, though saving something like 4 to 5 per cent, give unsatisfactory results. An experienced concentrating millman, sent for especially from Montana during the last few months, has been on the mine, but has been unable to make the slightest improvement in the tailings. The actual loss of gold in the stamp mill is from 15 to 25 per cent. of the jig mill tailings contents. The silver is not caught beyond that in the native gold. The erection of these stamps—a late experiment—has been highly successful, so far as the cald is concerned, and at the research time another 10 em the gold is concerned, and at the present time another 10 are being erected.

The rest of the plant comprises a sectional Walker's dupler compressor, 14 inches by 28 inches, which runs three direct acting pumps, throwing 10,000 gallons per hour from 60 feet deep, three Rand No. 13 slugger rock drills, and three blacksmith's forges. The smaller Rand duplex, 10 inches by 16 inches, is run as an auxiliary when the river is more than ordinarily run as an auxiliary when the river is more than ordinarily ill. Several hundred feet of both 3 inch and 6 inch pipe lies, several thousand feet of 18 inch gauge track of 13 h, rails, crs, six Rand rock drills, small machine shop fitted with 6 inch gauge track of 12 h, rails, crs, six Rand rock drills, small machine shop fitted with 6 inch ga 18 inch circular saw, and, at a distance of 4 miles, a 56 inch circular saw, with travelling iron bench driven by a single cylinder, 20 horse power engine, and tubular boiler.

The Staff, &c.

The staff consists of manager, assistant manager, and mine The staff consists of manager, assistant manager, and mine captain, one all-round timberman, head blacksmith, foremain concentrating mill, machinist, storekeeper, and accountant. The remainder of the labour is Mexican, Mestizo, and India. The mine employs about 200 hands, while the camp has a population of nearly 500. The company's store has to keep all supplied with food and general supplies. The authorities are on good terms with the company, and allow the manager to at as Justice of the Peace. With the exception of one murder, and the company's store being fired, the camp has remained orderly during the past year, and compares well with mining camps is more civilised parts of the world.

Appended are a few tables of wages, and cost of the more common supplies, &c.

	Cos	t of M	ateri	als at Mine.
Dynamite				\$0.46# per lb.
Caps		0.0		0.11 each.
Fuse				0.28 1-5th per coil.
Cylinder oil				204 per gallon.
Lubricating	oil			1.35
Kerosine				0.73
Miners' lam	p oil	44		2.18
Grease				0·121 per lb.
Cotton gree	150			0.14
Quicksilver				0.66
Charcoal				1.12
Firewood				5.00 per cord.
Iron				0.14 per 1b.
Steel				0.28
M. hammer		1.7	And to C	0.90 each.
M. picks			. (107)	1.32
Shoes				13.54
Dies		16.1	Marke	13 54
Screens, No	a. 4	to 8	or all	1.51 to \$1.62 per sq. ft.
		to 12	mayor.	1.05 to \$1.10
Candles (ha	44	THE PERSON NAMED IN	est days	0.50 per 1b.
Beans	ma)		Outside C	0.24 at 1.
Corn (maiz	10		on ulad	0.2
Sugar (nati		0.8.8	0.071	0.5
			Lefel	
Aguardient			seld m	a do ber Rumon
Lard	.0.9		11 (0.0)	5.50

Timo-keeper	9.4	. 9.84		\$90.00	per month
1 -t mine bose		16 4		3.00	per day.
2nd mine boss	44 1	Dian :	10 da.	1:50	11 W
Rock driff men		1 70	9 0	2.00	. 6
Assistant rock dril	1 men		034 4	1.50	
Miners	40 1		at a world		19
Surface labour	4.0			0.80	99
let head mill man	0.0	0.0	8 0	1.50	16
2ad " "	4.9		9.0	1.20	99
Jig and buddle me	n		0.0	1.25	29
Battery men			0.0	1 00	10
Vanner men				1.25	M. 10%
General labour	0.0			0.80	H

* A paper read before a recent meeting of the Institution of Mining and Metallurgy

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GOLDEN NEW ZEALAND.

HISTORY OF THE PAST YEAR.

Statement by the Minister of Mines.

(Continued from page 428.)

Otago.

Otago.

A LTHOUGH there has been a large quantity of alluvial gold found in Otago, this part of the colony has never been to any extent a quantz-reefing district. The robest lode yet opened up is that in the Cromwell Company Mine, at New Bendigo, from which it is stated about \$20,000\$ has been paid in dividends. Notwithstanding this rich find, very little work has been done in this mine for many years past, with the exception of taking out some of the blocks of stone left in the early days—stone at that time considered at too low grade to pay for working.

The quartz workings at Skipper's and Macetown are the alost in Otago, but the mines there have not yielded a very large quantity of gold—indeed, it is questionable if ever the sines in these localities have yielded in the aggregate as much gold as the Cromwell Mine at New Bendigo. Comparatively the Otago district.

itile gold is obtained from any quartz workings in other parts of the Otago district.

Great expectations were at one time formed of the gold-baring qualities of the quartz reefs in the vicinity of Wilson's River, near Proservation Inlet, but these expectations have not yet been realised to any extent. The Golden Site Mine, in which very rich stone was obtained near the north side of Wilson's River, has not been proved to run for any great length. This district is, however, very little prospected, and several fresh discoveries have been made during the past year, which tend to show that both in the alluvial drifts and in the quartz bees gold will be found remunerative for working when the country is properly opened up.

During the last year 13,390 tons of quartz and tailings were crushed and treated, which yielded 5713\frac{1}{2} ounces of gold, representing a value of £22,283, as against a value of £22,015 for the former year, and there were about 355 men employed in consistion with the quartz workings.

Taking the whole of the quartz workings in the colony, it

Taking the whole of the quartz workings in the colony, it will be found that there were 171,433 tons of quartz crushed and tailings treated last year, which yielded 181,4421 ounces gld and bullion, representing a value of £358,250, while 2191 man were employed in connection with quartz workings.

Alluvial Mining.

and tanings created nast year, which yielded 181,442 ounces gold and bullion, representing a value of £388,250, while 2191 nm were employed in connection with quartz workings.

The alluvial gold workings still continue to supply about 60 per cent. of the gold obtained in the colony. This class of mining is entirely confined to the Middle Island, as only a small quantity, about 67 ounces, came last year from Stewart Island. The immense areas of ground covered with aurifercus gravels, below the West Coast and Otago, show that the largest persenge of the gold produced will be derived from the alluvial reckings for many years to come. The extent to which these wrkings can be carried on is only limited by the quantity of rate that can be obtained to command the ground. It is only in a few localities where the wash drift is sufficiently rich to pay ke mining in the strict sense of the term—that is, by working immakers and adit levels. The principal workings are carried as by hydraulic sluicing and elevating. During recent years, sie, much of the gold has been got by using dredging machines. The suriferous gravels are divided into five different classes—smally, the recent and more modern deposits; the older gravels found on the West Coast belonging to the Upper license or Lower Plicense periods; the still older quartz stills found in Otago from the denudation of the Silurian quarts schiat formation which covers so large an area in that strict; the more concentrated gravel drifts found in the beds of river from the different formations; and the sea beach lade along the coast line, together with those formed at the light levels on the West Coast. All these may be designated literal, fluvatile, and lacustrine deposits.

The great factor for carrying on alluvial mining operations of fively description is water; not only is this essential for hydranic alucing operations, but it is also required as a motive power for working, pumping, winding, and dredging machinery. There are fuel of mining purposes they can be fully utili

Marlborough.

The alluvial workings in this district are situated in the Wairan Veley, Wakamarina, and at Mahakipawa. There are, however, only a limited number of men engaged in mining at these places. At Wakamarina another attempt is being made to work the gorge near the junction of Deep Croek with the river, where several companies, after spending a good many thousand pounds, have failed. It is to be hoped that the present company will benefit by the experience of their predecessors, and has better precautions against the floods which heretofore have prevented the bed of the gorge being worked.

At Mahakipawa there are still a number of men employed in the start of the st The alluvial workings in this district are situated in the Wairau

authough many less than there were two years ago.
auriferous wash dirt has been obtained in the King
men Mine on Mr. Cullen's freehold, and the same run of redis likely to be traced further down the flat. The difficulty noed is the quantity of water, which requires good sized

machinery to overcome it.

et last year was 258,

West Coast

West Coast.

The alluvial workings on the West Coast extend from Collingwood to Jackson's Bay, and include mining in the proper sense of the term—namely, sinking and driving as well as hydraulic sluicing and dredging. The latter branch of mining is only yet in its infancy on the West Coast. Although a great many dredges have been placed on the ceean beaches to lift and treat the auriferous sand, they have, so far, not proved a success, owing to the washing appliances being defective for the character of gold found; but where dredges have been placed on river beds to deal with the concentrated material from the recent and more modern gravels, these machines have proved estisfactory. gravels, these machines have proved satisfactory.

Upper Buller.

gravels, these machines have proved satisfactory.

Upper Buller.

There is a considerable population engaged in mining between the junction of the Inangahua and Buller Rivers and the head of Matakitaki Valley, where the workings are carried on along the banks and terraces fronting the Buller River, and also in the valleys of the Matakitaki and Glenroy Rivers. At the upper Matakitaki there is a great depth of auriferous wash drifts on many of the terraces, and during the last year the Mammoth Company has expended a considerable amount of money in bringing in a water supply to work these drifts by hydraulic sluicing. From the trial tests recently made a large quantity of ground is likely to be found that will pay for working in this manner.

Higher up than where these auriferous gravels are deposited is a very large area of country covered with quartz conglomerate resembling, to a large extent, that now being worked for gold in South Africa. These conglomerates extend from the Mangles to near the Maruia River. Some parcels have been tested at Reefton from this formation, and as high as 5 dwts. of gold to the ton have been obtained, but the area covered with these conglomerates is so large that it would take a considerable time to prospect the deposit, unless by mere chance a rich lead was met with. There is, however, an indication that a field will be opened up in this locality where quartz crusking machinery will be largely employed.

opened up in this locality where quartz crusking machinery will be largely employed.

Westport, Addison, and Charleston.

There are a considerable number of miners working north of Westport, on the North Beach, North Terrace, and in the bed of the Waimangaroa River. Several nuggets have been recently found at the Waimangaroa, which led to a number of mining

found at the Waimangaroa, which led to a number of mining claims being taken up.

On the south of the Buller River there are about 20 men engaged in hydraulic sluicing at Bradshaw's Terrace; and there is a considerable mining population at Addison's, and also at Charleston. Addison's Flat comprises a large pakini, having several leads of gold-bearing gravels running through it parallel with the ocean beach. There are a considerable number of mining claims on this flat which give remunerative returns for working, and more of the ground would be taken up if a further supply of water could be procured at a reasonable cost, the whole of the water from the local creeks and rivers being at present all utilised.

At Charleston the workings are principally on old sea beach

At Charleston the workings are principally on old sea beach deposits. Large areas are covered with a dark brown sand cemented firmly together with oxide of iron, which requires crushing machinery to liberate the gold which the sand contains. Several parties are also carrying on hydraulic sluicing operations, while others are engaged in washing the sand on the ocean beach, and making a comfortable livelihood. About 282 men are engaged in mining in the Westport district.

282 men are engaged in mining in the Westport district.

Grey Valley.

The whole of the country in the vicinity of the Grey Valley is more or less auriferous, and some very rich deposits of auriferous gravels have been and are still being worked on the south side of the valley, where there is almost an unbroken line of the old gravels extending from the Inangahua River to Maori Creek. In every gally and creek bed cutting into those gravels rich auriferous deposits have been found, and in many places bunds and layers of these gravels have given good returns for driving out from shafts and adit levels. In many of the wide valleys, where the auriferous layer has not a great depth of superincumbent material above it, the ground is worked by na idocking.

of superincumbent material above it, the ground is worked by paldocking.

Slab Hut, Antonio's, Blackwater, Snowy, Waipuna, Duffers, Half Ounce, Orwell, Callaghan, Nelson, Red Jack's, and No Town Creeks, with their various tributaries, have been and are yet the receptable of rich auriferous concentrated material, which will afford employment to a large mining population for many years to come, while the wash drift on the whole of the high terrace land along this line will give remunerative wages with a liberal supply of water with which to work it.

The ground on the north side of the Grey Valley is of a more recent formation; but still there are a number of good claims in the localities of Moonlight and Blackball, where many men are averaging higher wages than anywhere else on the West Coast.

Westland.

Westland.

This embraces a large field, and one where no less than 2448 men were employed in connection with mining during the past year. It includes the portion of the West Coast from the Grey and Arnold Rivers to Jackson's Bay. It was in this district that gold was first discovered on the West Coast, by a party of Maoris, on one of their periodical visits to Greenstone Creek in search of the pounamu stone, so highly prized amongst them for making weapons of defence and ornament.

Kumara.

The largest centre of the alluvial mining population is at Kumara, where a great quantity of gold has been obtained from a comparatively small area of ground. This is still a place capable of supporting a considerable population. The leads of auriferous drifts are some distance back from the Teramakau River. This makes needful the construction of long tail races to convey the tailings from the mining claims to the bed of the river. Five of these long tail races have been completed, and a sixth is now being commenced, which will be about 70 chains in length. Where works of such magnitude have to be constructed with boxes and false bottom blocks, subsidies have been given towards their cost.

The rovenue from the Government water race which supplies

The revenue from the Government water race, which supplies most of the mines on the Kumara field, is dependent on the number of claims that can utilise the water, hence the necessity for giving assistance towards opening up new ground.

Callaghan's, Waimea, and Stafford.

At Callaghan's, Waimea, and Stafford men continue to get a livelihood working in the terraces. At Callaghan's a good deal of new ground will shortly be opened up, as soon as a branch water race, which is now in course of construction, is completed; and at Waimea a long tail race is in course of construction to enable new ground in the middle branch and the upper portion enable new ground in the middle branch and the upper portion of Waimea Flat to be worked by hydraulic sluicing. Between Waimea and Stafford men are only making small wages owing to the distance at which the workings are from the creek bed—which is the only place for the deposit of tailings. Then the small amount of fall for the sluices, together with the fact that the ground is gradually deeper as it gets into the range, prevents the same amount of fall for the same amount of the same amount of the same amount of fall for the same amount of the same amount o

bed rock from being laid bare as in former years, and, consequently, there is a large decrease in the yield of gold.

Humphrey's Gully.

At Humphrey's Gully there is a large area of ground covered with auriferous gravels, which in some places are 300 feet in depth, with plenty of wall. The whole of them may be worked by hydraulic sluicing. A company has been working these gravels for the last seven years with a small supply of water, and gold to the value of about £30,000 has been obtained, but the quantity of water at the command of the company is totally inadequate to work this large deposit on anything like an extensive scale. Recently arrangements have been made for additional capital to extend the company's water race to the Arahura River, where, practically, an unlimited supply will be obtained.

Blue Spur.

obtained.

Blue Spur.

At the Blue Spur extraordinarily rich ground has been opened up during the last year, the wash drift containing nearly 3 ounces gold to a load. This discovery is due to Mr. Augustus Boys, who, by indomitable perseverance, constructed a drainage tunnel for nearly a mile in length to test the ground, he having been seven years in completing the tunnel, and now he is likely to be well rewarded for his outlay. Not only has Mr. Boys got on to rich gold-bearing wash drift, but other claims adjoining him have found the same lead going through their ground. About 40 acres of this ground were applied for as a freehold by Mr. Dwyer, but arrangements have been completed for resuming possession of this ground in order to throw it open for mining. it open for mining.

Kanieri and Rimu.

Kanieri and Rimu.

The Kanieri diggings are getting pretty well worked out near the township, still there is a considerable population engaged in mining in the district, scattered about in the different gullies. Workings are carried on at the Kanieri Forks, Gentle Annie, and other places near the branches; while at Woodstock, Back Creek, Rimu, and Seddon's Terrace there is a large population employed, some working from shafts and adit levels, and others, who have small supplies of water, carrying on hydraulic sluicing operations.

operations,
There is a great depth of alluvial drifts in the vicinity of Back
Creek and Seddon's Terrace, with different bands or layers containing gold, but all these layers are lying on a false bottom.
In no place has the main bottom in this locality been reached.
How far back these gold-bearing layers will be found has not yet
been determined; but the best of the ground—that is, the richest
of the layers of auriferous bands—does not extend for a long distance back from the face of the terrace fronting the Hokitika
Rivar.

River.

Ross.

This is a place where it is known that a rich lead of gold exists in the flat; but, being below water level, it requires very powerful machinery to drain the ground, which has been lying for many years without anything being done to work it. The best gold-bearing layer on this flat is about 240 feet under sea level, and is a fluvatile deposit, with gravels and stones highly rounded, and of the same soft brown formation as the "Old Man" bottom, of which the lead on Ross Flat is only a concentration. This lead has been partially worked to mear the foot of German Gully; but there is a probability that a rich gold-bearing layer will be found further on towards Donohue's near the foot of Sailor's and Swiper's Gullies.

No workings can be carried on here unless provision is made to prevent the water from Jones's Creek getting down into the lower workings, and the quantity of water in that creek in time of floods is more than any ordinary pumping machinery could cope with. It is ground which cannot be worked unless by a company with a large capital, as a considerable expenditure will have to be made to cut off all the water to prevent it reaching the flat, and a very large pumping plant will also be required to not only drain the water which is now accumulated in the old workings, but also to cope with the permanent inflow through the different layers of gravel. From what is known of this flat, there is a considerable quantity of gold in the drifts; but a large sum of money will be required before the flat can be successfully worked.

The quantity of gold produced on the West Coast last year.

The quantity of gold produced on the West Coast last year, exclusive of that obtained in the Collingwood district, was 85,015 ounces, representing a value of £339,731. The total quantity produced to March 31 last was 5,517,080 ounces, having a value of £63,035,556. of £21,921,556.

Otago.

This is a field which has produced a large quantity of gold, and the workings in the early days, being in shallow grounds with remarkably rich deposits of auriferous gravels, were the means of bringing New Zealand prominently before the world, as a gold-producing country, and of causing a rapid influx of population. Many of those who were first attracted to our shores have invested their earnings on the gold fields in the purchase of homesteads, and have tended greatly in the permanent settlement of the lands of the colony.

(To be continued).

GOLD AND COAL IN UPPER BURMA.—According to information from Upper Burms, active operations for the development of the mineral wealth of that province are about to be commenced. Ever since last December excavations for gold have been in progress at Choukpara*, in the Wantho district, and a promising reaf has been exposed. Machinery was ordered from England and is now in course of erection at the mine. Wantho is one of the most important stations on the Mu Valley Railway, about half-way between Manda'ay and Mogaung. A not less important discovery of coal of an excellent quality is reported from Lawkrawk, a district in the southern Shan country, and watered by the Zawgyee, a tributary of the Salwen. The coal is said to lie near the surface, and the field covers an immense area. The climate of the Yatsuk territory, of which Lawksawk forms part, is described as of great salebrity, and particularly well suited for European colonisation. It consists mainly of a table land between 2500 feet and 3000 feet above the sea, and the temperature in the hottest season does not exceed that of England. of England.

of England.

The Iron Trade in Austria.—In the report of the Austro-Hungarian State Railway Company for 1894, which has lately been issued, some particulars are given of the production of the mines and ironworks of the company. At the iron ore mines in South Hungary, 148,961 tons of ore were extracted, an increase of 14,529 tons over 1893. The output of pig iron at the blast furnaces at Anina, Reschitzs, Begschan and Dognatschka amounted to 70,727 tons, an increase of 954 tons. Of finished iron and steel 54,890 tons were produced, an increase of 740 tons, and of machinery 9955 tons, a decrease of 1295 tons. A steel foundry has lately been added to the Reschitza works. The engineering works of the company in Vienna turned out only 52 new locomotives, as against 76 in 1893.

New South Wales Gold Output For 1895.—The Mining

NEW SOUTH WALES GOLD OUTPUT FOR 1895.—The Mining Department estimates the gold yield of New Scuth Wales for the year ended December 31 last at 360,165 cunces, valued at £1,315,929. This, says Reuter, shows an increase, as compared with the previous year's yield, of £159,211.

NOTES ON GOLD MILLING IN CALIFORNIA.

By ED. B. PRESTON. M.E.

Bulletin No. 6, issued by the California State Mining Bureau

(Continued from page 427.)

THE following guide or a proper condition of the work on the belt is given by Henry Louis, M.E., F.G.S., &c., in his very useful work—"A Handbook of Gold Milling," 1894, p. 324:—"The working conditions should be so adjusted that a small triangular patch of sand should show at each of the lower corners of the belt. These sand corners should not be too large, but must be well marked, and the two should be of equal size. uld they be unequal, the fault will be found to be either in should they be unequal, the fault will be found to be either in that the beit is not accurately level across, that the distributor is not doing its work properly, or that some of the working parts have not been properly tightened up, so that there are other motions than the normal ones communicated to the belts. rge a corner of sand shows that the pulp is too thick absence of any corner indicates that it carries too much

Two of the 4 feet belt vanners, or one of the 6 feet, handle

Two of the 4 feet belt vanners, or one of the 6 feet, handle the pulp from a five stamp battery. The amount of clear water required to be added is about 1-5th cubic foot per minute; the vanner requires about \(\frac{1}{2} \) horse-power.

The Triumph differs from the Frue, principally in that it has sm end shake of 1 inch, and slightly quicker stroke (230 per minute), the belt making a forward movement of 3 feet to 4 feet per minute. It receives the pulp in a bowl containing quicksilver before reaching the distributor, which is all kept in agitation by revolving stirrers.

agitation by revolving stirrers.

The Woodbury is similar to the Triumph in extent and number of motions, but divides the belt into seven longitudinal partitions; an increased output being claimed for the

The Tulloch gives a rocking motion from a fulcrum on the shakes of 12 inch per minute, using either belt. This machine, it is claimed, saves canvas or rubber belt. This machine, it is claimed, saves a somewhat larger amount of the finer and richer grade of sul

phurets as compared with the former types.

The Embrey is similar to the Frue, but with end shake.

The Johnston, with improvements, and the latest of the belt entrators placed on the market, claims many points of intage. It is suspended from four non-parallel hangers capable of adjustment, by which the angle of oscillation can changed as require, preventing the accumulation of sand at the edges, such as occurs with the horizontal side-shake machines odges, such as occurs with the borizontal side-shake machines, or the piling of the sands in the centre of the belt that occurs with the rocking motion. The motion imparted to this belt resembles more nearly that of the bates than that of any of the other concentrators. The belt is made of No. 6 duck, oiled and painted, but a rubber belt can be used at one-third the cost of those with molded edges, which are short lived. Small, hollow, brass side rollers on the shaking frame form the raised edges by curving the flat belt slightly upwards. The pulp is delivered from five slots running parallel with the belt frame, ‡ inch wide and 16 inches long, leaving 10 inches spaces, into which the pulp is thrown when it strikes the belt. Here the separation at once takes place: the sulphurets settling on the belt the pulp is thrown when it strikes the belt. Here the separation at once takes place; the sulphurets settling on the belt are carried by it up to the clear water, while the sands are carried down the belt. In neither case are the sands or sulphurets obstructed by the falling of water and sands, as in other machines where the pulp is discharged across the belt. The clear water at the head of the table, instead of being discharged from a distributor, which is attached to and moves with the table, thus stripping the belt of the smallest possible portion of sulphurets. Two widths of belt, 54 inches and 72 inches, are used, which are given a grade of 1-5th inch to \frac{1}{2} inch to the foot, making about 118 side shakes per minute. One machine handles the pulp from a five stamp battery.

Another vanner, soon to be placed before the mining public, coasists of the essential features of the vanner, but carcies a rubber belt with depressions all over it, 2 inches in diameter and \frac{1}{2} inch deep, shaped after the bates, while the entire belt receives a motion corresponding to that given to a bates.

es a motion corresponding to that given to a bates. the motion and grade given to any of these machines can only be correct for a certain size of grain in the pulp, it would be advisable to introduce some method of sizing the pulp previous to bringing it on the concentrator, and feeding the sized material to different machines. The finer the screen that has been used in the battery, however, the less does the lack of trators should always, where possible, be attached to power in dependent from the stamps, and be placed on a floor below the aprons and in a position to permit the attendant to pass al the attendant to pass all around, and to coveniently transport the concentrated stuff to the covered drying floor, which should be made with a slight incline, preferably of concrete, and exposed to the sunlight.

Cancas Platforms or Tables.—Investigation proving that the slimes passing off with the waste from the mill and concen-

trators still carried an appreciable amount of precious metal millmen during the last few years have extended their opera

millmen during the last few years have extended their operations, and re-treat the hitherto escaping slimes. This is done
by conveying all the waste material from the mill, through
sluices, to canvas platforms having the following general features.

A platform is built of clear, seasoned, and planed 1½ inch
planking, on a solid, level foundation, and given a grade of about
inch to the foot, over which No. 6 canvas is stretched smooth,
longitudinally, though sometimes crosswise, with a 2 inch overlap. Particular attention must be paid that the canvas is
stretched smoothly and evenly, and that no crack opens between
the planks constituting the platform. The length and width of
the platform required depends on the amount of pulp to be
handled; overcrowding must be avoided. The platform is
divided longitudinally into sections corresponding to the width
of the canvas, which is 22 inches; the partition is
made of wooden strips 2 inches wide and 1 inch high,
covering 1 inch on the edge of two adjoining pieces of canvas.
Running along the head of the platform are two sluices, one
placed above the other; one containing clear water, the other
pulp from the mill, both furnished with 1 inch to 1 inch plugholes over each section. Below the lower edge of the platform
are two sluices placed side by side, the inside one to convey the pulp from the mill, both furnished with 1 inch to 1 inch plugholes over each section. Below the lower edge of the platform are two sluices placed side by side, the inside one to convey the waste, the outer one for the concentrates (sweepings) from the platform. When ready for operation the plugs are withdrawn, and both pulp and clear water commingled flow down in an event current, and are discharged through the bottom waste sluice. After one hour, or less, the plug is inserted in the pulp box over the first section, and the clear water permitted to run for a few mioutus longer, during which time quarts and more box over the first section, and the clear water permitted to run for a few minutes longer, during which time quartz sand may be observed passing off the canvas, leaving a dark, partly metallic appearing sediment on the canvas. A tray or board is then placed over the waste aluice, connecting the lower edge of the section with the outside sluice, and the sediment is removed from the canvas, either by sweeping or with the aid of a hose with a flattened nozzle, to be worked later by chlorination or

The following is a description of an improved canvas plant erected and operated in Amador County, by the patentee, Mr. Gates. In this case, the pulp and waste water are conducted from the mill in a flume to the plant, and there divided into two adult streams by the insertion of an adjustable division plate in the fluor. The divided pulp passes into boxes 4 feet long and 1 foot wide, and having steel screen bottoms with \(\frac{1}{2} \) inch perforations, set on a reversed grade of 6 inches to the box. The object of these screens is to prevent any chips, leaves, lint, or foreign substance from passing into the sizing box beneath which consists of a wooden V-shaped trough, 6 feet long, 15 inches broad at the top and 2 inches in the bottom, constructed of 1½ inch boards. A piece of canvas is tacked on the bottom for packing; underneath is nailed a piece of scantling 4 inches by 6 inches, at one end of which, reaching within 2 inches of the end of the box proper, a slot 14 inches long and 2 inches broad sout; here a flattened galvanised iron funnel ending in a 2 in pipe is attached. The pulp falls through the screen with some force, and is considerably agitated in the separator box. Naturally the coarser and heavier particles separator box. Naturally the coarsor and heavier particles have a tendency to settle towards the bottom. Were the outlet there large enough, all the pulp would pass down and out. It size of 2 inches causes the box to fill to the height of a sluice box in the end, through which the finer pulp flows to the canvas box in the end, through which the finer pulp flows to the curves tables. To facilitate the separation, a device is placed in the lower end, consisting of an iron pipe, \(\frac{1}{2}\) inch inside diameter, connected with the main pipe above the screen, and divided into two sections, which are connected by rubber hose for ready detachment. The lower 6 inches of the iron pipe has small perforations, through which clear water is ejected, causing an agitation of the pulp. The end of the pipe is stopped with a wooden plug, easily removed. clear water is ejected, causing an agracian of the pipe is stopped with a wooden plug, easily removed. The agitation at the end of the pipe causes the fine material to be carried upward and into the sluice at the end of the separator box. Only coarse sand passes through the bottom tipe, and on examining this with a magnifying glass, very few particles of sulphurets are discernible. This separator works well, and disposes of a lot of coarse, valueless material that would otherwise interfere with the subsequent working of the slimes on the canvas platforms. The fine pulp flowing from the top of the separator is conducted in a sluice to a broad, flat box, in which the stream is divided by partitions into 10 box, in which the stream is divided by partitions into 10 separate currents, each terminating over a canvas table, 10 in a row. The pulp goes over a spreader made of strips of galvanised iron, \(\frac{2}{3}\) inch in height, radiating from a common centre to the farthest side of the table, which is 12 feet wide. These strips farthest side of the table, which is 12 feet wide. These stripture are nailed to an inclined board extending across the curvas table, having an iron strip 1 inch high, fastened to the lower end, perforated or notched, with indentations 15 inch deep and 1 inch long, affording a perfect distribution; 20 tables are arranged in two rows of 10 each, covered with canvas laid crosswise and overlapping about 2 inches. These tables have a grade of 15 inch to the foot, are 13 feet long and 12 feet wide. After receiving the flow for an hour, it is shut off from the table and a flow of clear water turned on, which in a few minutes After receiving the flow for an hour, it is shut off from the table and a flow of clear water turned on, which in a few minutes washes away the sand, when it is also stopped; then with a hose ending in a flat nozzle, the accumulated sulphurets are washed from the canvas into a trough below, extending along the base of the entire series. In order to secure sufficient fall for this sluice, each succeeding table is set 4 inches lower than its prodecessor, giving 40 inches fall on 125 feet of sluice length. Two extra tables are arranged, one at the end of each row, to take up the surplus flow during the time one of the tables is shut off, to avoid overloading, as each table already carries the proper avoid overloading, as each table already carries the proper count of pulp. The effectiveness of the canvas tables depend to avoid overloading, as each table already carries the proper amount of pulp. The effectiveness of the canvas tables elepends on maintaining an even flow of pulp during a given time; it will not do to overload them. All the pulp that leaves the table is considered waste, and is collected in a flume, to be used a short distance off as power on an overshot wheel, by means of which the patentee runs a vanuer of his wheel, by means of when the patentes this a value of his own invention. This waste water is caught up again and used on a second wheel, which also runs a vanner. The sulphurets washed from the tables flow through a sluice to a box outside the building, 12 feet long, 2 feet wide, and 12 inches deep, with a cross piece 2 feet from its upper end, reaching within 2 feet from the top of the box. In this upper section the coarser grade of the material is retained, while the finer flows coarser grade of the material is retained, while the finer flows over the weir, The two grades are shovelled out separately and placed in separate V-shaped boxes, over which are perforated iron pipes, from which small streams of water trickle, gradually carrying the pulp down and passing it through sluices on to the spreaders of separate vanners. These two machines work with different motions, doing excellent work on this impalpably fine stuff. The slimes flowing from the washing boxes beneath these vanners are conducted, with the overflow of the two compartment boxes above referred to, to two other carryas tables, below which boxes above referred to, to two other canvas tables, below which they are allowed to escape as waste; not that they have given up all the precious metal they carried, but because the point is reached where it is more economical to lose the remnant than to ttempt to save it.

As the slimes from most of the canvas plants, as usually operated (especially where the ore crushed carries a heavy percentage of sulphursts, or has been stamped with a high discharge), are still valuable in gold, they can be conveyed to so-called alime settlers, or tanks. These tanks, for there are generally several, are placed below the canvas platforms, and are about 2 feet deep, 2 feet wide, and 12 feet to 20 feet long; they are divided into sections of 2 feet square, by 2 inch planks set on edge, extending alternately from each side, leaving an opening 4 inches wide and 2 feet deep, causing the slime water to take a serpentine course in passing through. The tanks stand level, and the slimes, in settling, form their own grade as they enter at one end of the tank, and, passing through the successive sections, issue at a diagonally opposite point only slightly clouded. These tanks require cleaning only at long intervals.

Up to the present time, the concentrates in the California mills have been generally handled by the chlorination process, to free them from their gold, but within the last year several plants are successfully working them by the cyanide process. the slimes from most of the canvas plants, as usually

e successfully working them by the cyanide process.

The tendency in the construction of mills at the present day

is to a substitution of steel for iron, where possible, and to an increase in the weight of the stamps.

A greater application of grinding and amalgamating machines place of or subsidiary to the stamp mill is also noticeable, the in place of or subsidiary to

most popular of which will be shortly described.

For a more thorough appreciation and knowledge of the work done by mills records should be kept by the amalgamator of all transactions connected with mill work, showing every item, loss of time, consumption of mercury, iron, fuel, water, amount of rock treated, &c., in addition to the records kept in the assay office. This is already being done to some extent, but such records should be kept in the small mills as thoroughly as in the large ones

Grinding and Amalgamating Machines

Arrastras.—Although the arrastra has been largely super-seded by the stamp mill, the fact remains that it is the best and cheapest all-round gold-saving appliance we have. Hence, its use is always indicated where small rich veins are worked in the higher mounsin regions, but it is also found valuable placed below the present quarts mill, where the waste waters from the mill can be picked up and used over again for power

In these cases, it handle on horizontal or overshot wheels. on horizontal or oversnot wheels. In those cases, it hadde the tailings from the mill after they have passed over the co-centrators and canvas plants. This part of the milling is usually leased to parties who pay the mine a fixed amount per ton for leased to parties who pay the mine a like amount per ton for the tailings, the lessees putting up all their own machinary. These arrastras are built of a size to handle at least 4 tons of tailings in 24 hours. Their foundations are either formed to tailings in 24 hours. Their localitations are connected of hard rammed clay, concrete, or a plank platform with broken joints, on which a bed of clay is placed. The foundation is always the proposed of the proposed. made larger than the circumference of the proposed arratra.
The bed is formed of rocks harder than the substance to be crushed, usually fine grained basalt, granite, or quartzite crushed, usually noe grained basait, grainte, or quartzite. These are picked with a partially level surface, and as near of the same thickness as possible, usually from 1 foot to 2 feet thick. The thickness as possible, usually from 1 foot to 2 feet thick. They are built around a centre cone, forming an annular ring from 2½ feet to 6 feet wide, and are laid with narrow spaces between each rock, into which dry clay should be tightly rammed to within an inch of the surface. The outer circle is formed to rocks or stayes, with rammed earth behind and built from the surface. rooks or stayes, with rammed earth behind, and built from 2 feet to 4 feet in height. On the central cone, which consists of stone or a block of wood, and which stands somewhat above the paved or a block of wood, and which stands somewhat above the pavel bettom, a centre post is let in, from which project four arms at right angles to each other, and extending nearly to the outer circle. Heavy hard rock drags, weighing from 200 to 1000 lbs. each (from 400 to 600 lbs. is the usual weight), are attached to the arms by ropes or chains passing through eye bolts seemed in the rock drags. They are placed so that part of them drag near the cone, with the inside corner slightly in advance, while the remainder sweep near the outer circle with the outer corner. in advance. The front edge should always be slightly elevated, as to permit of the particles passing under the drag instead of being pushed ahead.

Where a horizontal wheel is used, the arms are attached to the centre post, and the wheel encircles the arrastra, the water the centre post, and the wheel encircles the arrastra, the water striking on buckets set to an angle of 45°. With overshot wheels the arrastra may be run by a belt and pulley attached to the centre-post, or by a spur gearing. It requires about 6 horse-power to run an average sized arrastra. Running tillings, a speed of 15 to 30 revolutions per minute is given; crushing ore, the arrastra should be run slower and the pulp

For discharging the arrastra, plug holes at different levels are put into the outer circle, leading the pulp into sluices lined with plates, rifles, and blankets. In some cases the arrasta ha been made to work continuously by fitting a screen to a part of the outer circle and letting it discharge into a line of sluios.

As the arrastra bottom and drags are extremely uneven and As the arrastra bottom and drags are extremely uneven and rough when first set up, some coarse sand and water are into-duced on first starting, and the drags are allowed to run alonly until somewhat smoothed down, before the regular charge is introduced. The machine is usually only cleaned up thorough until somewhat smoothed down, before the regular charge is introduced. The machine is usually only cleaned up thoroughly when the bottom is worn away; between times the creries are picked out for the depth of an inch or two with pick, scrapers, and spoons, and panned out, with what pulp remain on the bottom, after the charges have been successively thinned down and run off through the plug holes. If crevicing has been done, a little fresh clay can be rammed in to withis 1 inch of the top of the bed. During the grinding of the charge, the quicksilver is introduced through a cloth; the amalgam should be kept drier than in the stamp batter, though not sufficiently so as to become crumbly. Great though not sufficiently so as to become crumbly, attention must be paid to tamping the bed in solid, other an excessive loss of quicksilver may occur. Continual here tests of the pulp furnish a guide for the proper working.

Machines have, from time to time, been introduced in Cali-

fornia to replace stamps, claiming to do more effective work both as regards the crushing as well as the amalgamsing Those mostly seen in operation, and fluding the most favor, are the Huntington and the Bryan mills, which may be taken as types, and which reduce the ore by a continuous rolling motion; in the one case the roller acting on a ring on the di-cumference, and in the other on dies in the bottom.

The Huntington Mill consists of a shallow iron pan with a central cone, through which an iron shaft revolves. Buted on the sides of the pan and inclosing it, are semi-circular interestions made in two halves and also bolted together; one of these sections contains an opening about 9 inches deep divided into three parts, into which curved from screen frame an keyed, while the other section contains a feed trough attached top. Between the bottom of the pan and near the top. Between the bottom of the pri and the lower edge of the screen frames an iron or steel ring die fits against the sides of the shallow pan, being secured by wooden wedge; against this die, four rollers, suspended from yokes resting of an iron cover, revolve, receiving their motion from the central shaft. These suspended rollers are pressed by centrifugal fore against the ring die. Each roller is encircled by an iron orstel shoe fastened by wooden wedges; this can be renewed what worm too this or when it between revorted. Gettened Manne worn too thin, or when it becomes unround—flattened. Means are provided for lubricating the shafts on which the roller work, without permitting the lubricant to come in contact with the pulp. As the rollers hang about \(\frac{1}{2} \) inch above the bottom of the pan, scrapers are attached to the revolving cover between the rollers, and reaching to the bottom of the pan to prevent the baking of the pulp.

between the rollers, and reaching to the bottom of the pan we prevent the baking of the pulp.

The size of the pan most frequently used is 5 feet in diameter, though for prospecting purposes one of 3½ feet is also made; the former is run at a speed of 70 revolutions per minute; the later at 90 revolutions. They are provided with self feeder, which introduce the ore at regular intervals—the only way is which they can be operated, though not correct in principal. A 5 feet mill requires about 8 horse-power, and are the self-respondent to the principal of the panel of the pulp. crushes about 20 tons per day. Before starting up a ortain amount of quicksilver, up to 50 lb., is introluced into the particular to the p Before starting up a certain with some water and rock. The supply should be regulated to make a stiffer pulp than in a stamp battery; quicksilver is added from time to time. A groove in the bottom of the passes of the connecting with a plug hole on the outside, permits of the quicksilver and amalgam being drawn off at intervals to recome the latter, after which the former is returned. If the pan is working correctly the bottom around the centre remains bare, this can be observed through the cover while running; when not bare, it is a sign that the pan is being overfed. As the machine throws the pulp with considerable violence through the curved screens, a shield is placed outside violence through the curved screens, a shield is placed outside of them, directing the pulp into a narrow sluicoway, with a spout opening on the apron plate. It is claimed that the percentage of gold amalgamated and saved on the inside is for centage of gold amalgamated and saved on the inside is a greater than in the stamp mortar, going above 80 per central rusty gold being subjected to a heavy securing action. The Russian iron acreens used are short lived; they can be made to last somewhat longer by placing a false screen, make from an old worn screen with the openings enlarged, between the pulp and the screen proper.

Great care must be exercised in putting up one of these

Great care must be exercised in putting up one of the machines to get it perfectly level and on a rigid foundation, and to keep all the bolts holding the pan on the foundation well tightened up; the feed also requires close operation.

When cleaning up or renewing the ring dies or shoes, the top wer, with the suspended rollers, are lifted out with class ock and tackle, leaving the interior of the pan free for paration. cover, with the

operation.

The mill works well on soft quartz and clayey ores introduced.

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in pieces not larger than walnuts. A great drawback to the machine is that the rings on the rollers and also the dies become unround, so that instead of rolling smoothly they strike in places, necessitating changing the rings before they are worn out; this changing takes up some time.

The opinions of millmen who have handled the Huntington mill, as to its merits, are very diverse. Where the ore produces a large amount of fine stuff, by using a grizzly with closely set bars, the Huntington can be run to advantage on these smalls" in conjunction with the stamps. ars, the Huntington can be run to smalls" in conjunction with the stamps.

(To be continued.)

MEETINGS OF MINING COMPANIES.

THE GREAT LAXEY MINING COMPANY, LIMITED.

HE half-yearly general meeting of the shareholders in the Great Laxey Mining Company (Limited) was held at the Cannon-street Hotel, on Wednesday, Major JAMES SPITTALL (Chairman of the company) presiding.
The LONDON SECRETARY (Mr. W. Allen) read the directors report, which was as follows:—

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Tour directors again sincerely regret that they are unable to produce a more favourable report and statement of accounts than that already more favourable report and statement of accounts than that already more favourable report and statement of accounts than that already possibled. They can only say that the very utmost has been done by the boad and every officer connected with Great Luxey to bring about a boad and every possible direction has been curtailed consistent which proper maintenance and efficiency of such a property as Great Laxy Mines, and the only thing necessary for a return to prosperity is as improved lode and better prices for our produce. There has been some improvement in the latter, and from Captain Redd'cliffe's report it will be observed that there is reasonable ground for believing that the Pioneer existing how the still continuing negotiations with the Commissioner of Woods upon the question of regalty from whom they still hope to obtain some further concession under the existing circumstances.—James Spittall, P. Mosley, A. Betce, W. B. Spevenson.

ion under the existing circumstances.—James Spittall, P. Mosley, A. BRUCE, W. B. BYEVENSON.

A. BRUCE, W. B. BYEVENSON.

The following is the report of the manager at the mine:—
GETILMEN—We have not employed steam power at all for the purpose of compressing air for driving the rock drills during the past six manths, and as there has not always been a plentiful supply of water for the purpose, the ends have not been advanced so rapidly as they sometimes in the power of the properties of working, we felt bound to adopt the cheaper in these hat of the systems of working, we felt bound to adopt the cheaper in these hat of the systems of working, we felt bound to adopt the cheaper in these hat of the systems of working, we felt bound to adopt the cheaper in these hat of the systems of working, we felt bound to adopt the cheaper in these hat of the systems of working, we felt bound to adopt the cheaper in the system of the systems of working, we felt bound to adopt the cheaper in the system of the systems of working, we felt bound to adopt the systems of working we felt bound to a system of the systems of working we felt bound to a system of the systems of working we felt bound to a system of the systems of working we felt bound to a system of the systems of the syst The following is the report of the manager at the mine :-

The CHAIRMAN said : Gentlemen-You will miss from the meet-The CHAIRMAN said: Gentlemen—You will miss from the meeting k-day the old and familiar face of Captain Penketh, who for many years occupied a seat on the board, but after the last meeting his health broke down to such an extent that he was compelled to miga his position. The board, in consequence, have elected in his seat Mr. Alexander Bruce, who is connected with almost all the principal enterprises in the Isle of Man, and is also Chairman of the Deeglas and Isle of Man Tramway Company, which is well-known to be a prosperous concern. The directors are exceedingly sorry that the result of last year's working should not have proved more stiffactory. The sales of ore have been, strange to say, within a faw tensof the sales during the previous half-year. In the previous it ments we sold 200 tons of lead, and 1010 tons of blende, malking £6710 15s., whilst in the present half-year we also raised make sold 200 tons of lead, and 1010 tons of blende, make make sold 200 tons of lead, and 1030 tons of blende, the proceeds upon which because the first sold tons of lead, and 1030 tons of blende, the proceeds upon which because the first sold tons of £103 tons of the produce there has been a reduction of £103 tons. 11d. As to our general expenses thing the previous half-year they were £6336 is. 11d., but in the present half-year they have only been £5932 13s. 9d., showing a reduction on the general working account of £333 7s. 4d. Our operations underground have been so similar to what was grant half-year they have only been £5992 13. 93., showing a reduction on the general working account of £393 7s. 4d. Our operations underground have been so similar to what was appeted at the last meeting, that if I could remember and repeat what was then said it would fully meet the requirements of the Meetistuation. They have been mainly confined to driving the 25 and 255 levels, in doing which we have not made so much profits as we could have desired, having in working our drills mated to our water power to save the expense of driving by steam. In 235, the bottom level, having reached the lode, has drained mash of the water from Dumbell's shaft, has already yielded aring steff for the washing floors, and we hope shortly to reach his productive run of ore ground found in the level above. The 25 has been driven during the whole of the half-year in dead round, and has been extended far beyond what was intended or expected. It was one of the points insisted on by the Crown in connection with the reduction in royalty, but when about to cross on to reach the lode, the ground was found to be so disturbed that the crosscut was abandoned. This disturbed portion in now been passed through, and the settled and congenial quilty of the rock has determined the manager to commence the comment, upon the success of which so much depends. The appearance of the interpretation out the strictest economy in respect to expenditure, insisted only in the price, in making an appear to expenditure, in making in the mine re in making the mine in the constant of the price in the price of the special contents.

defrayed by the company. I think this is all that it will be necessary to bring before you to-day, and, therefore, I will now move:—
"That the report and accounts be received and adopted, and that the directors' report be printed and circulated amongst the shareholders as usual."

Mr. RAMSBOTTOM seconded the resolution, and it was unanimously agreed to.

ously agreed to.

A SHARHOLDER thought that the most favourable portion of the report of the manager was the first clause in which it was stated that they were cutting down expenses and drawing as little ore as they

possibly could.

The CHAIRMAN: Ob, no I as much as we can.

A SHAREHOLDER observed that it seemed strange with the price of lead so low they should be giving away a part of their profit by drawing so much ore. He was quite aware that they must carry out certain works, but, looking at it in the light of a speculator, he thought the less they sold at the present price the better. When prices reso again let them draw as much as they could, but at the present time they were throwing away their profit. He would also suggest that the reserve fund should be used instead of getting the bank to discount their bills. This would, he considered, effect a small saving. small saving.

small saving.

The CHAIRMAN, in reply, said so far as the working of the mine was concerned, for some time past they had not done more than they were compelled to under the arrangement with the Crown. The Crown insisted on the driving of a certain shaft and the 255 fathom level. He expected every day to receive the news of the crosscut in this level outling the lode, and if it was found to be very rich it would be the making of Great Luxey again. In fact, it would practically be a new mine, as there would be more than 350 fathoms of backs to work.

Subsequently the CHAIRMAN said he wished through the Press to

Subsequently the CHAIRMAN said he wished through the Press to thank the many sharehol lers who so kindly sent in their proxies.

Considering the unsatisfactory state of things under which they had been working, it was very gratifying to find that the shareholders still had confidence in the board, and he hoped that at the next meeting they would have a better report to present.

Mr. RAMSBOTTOM moved a vote of thanks to the Chairman and directors.

MI. RAMSBOTTOM moved a vote of thanks to the Chairman and directors.

A SHAREHOLDER seconded the resolution, and it was carried.

The CHAIRMAN, in responding, said, on behalf of himself and his co-directors, he assured them that he felt exceedingly obliged for the kind manner in which they had received the vote. There was no doubt that they had been placed in a very critical position, but he hoped shortly they would be able to announce that they had turned the corner, and would be in a position to produce more satisfactory accounts. He was very glad to hear Mr. Ramsbottom refer in so kindly a manner to their new director, Mr. Brace. Coming as he did from the Isle of Mar, Mr. Ramsbottom had some knowledge of Mr. Brace. He could only say, as far as he and the board were concerned, that they anticipated that the services of Mr. Brace would be of very great advantage to them. There was no one in the island on whom the selection could have more properly fallen than Mr. Brace, where his energy and business habits are thoroughly known and acknowledged.

The meeting then concluded.

THE TRANSVAAL GOLD FIELDS, LIMITED.

The ordinary annual general meeting of the shareholders in the Transvaal Gold Fields (L'mited) was held at the Cannon-street Hotel, on Thursday, when Mr. LOFTUS FÆZWYGBAM (Chairman of the company) presided.

The SECRETARY (Mr. Arthur B. Atkinson) read the notice con-

Transwal Gold Fields (L'mited) was held at the Cannon-street Hotel, on Thorsday, when Mr. LOFTUS FæzWYGRAM (Chairman of the company) presided.

The Secretarry (Mr. Arthur B. Atkinson) read the notice convening the meeting.

The CHAIRMAN said: Gentlemen—By the undeserved, the most undeserved, favour of my colleagues, I have to appear as Chairman, and I most deeply regret that my first words must be words of sorrow and words of sadness. Since the issue of our report we have experienced a grievous loss by the death of our excellent colleague and dear friend, Mr. Bernstein. He was, as you know, one of the foun-ers of this company, but you cannot know, as we know, the deep interest he took in our affaire, and the very creat ability he showed in their administration. I will not speak of the honourable and distinguished reputation he enjoyed in London as well as in Paris, as that reputation is well known to all at this meeting. I prefer to speak of him as the ablest of directors, and the most kindhearted and most courteous of colleagues. It will be a long time before his name passes out of remembrance, the affectionate remembrance, of those who, for all too brief a period, were associated with him. I presume it will be your pleasure to take the report as read. By chance I was in the chair at our previous meeting, and I naturally turned back to what I said on that occasion. I find that I then expressed myself very hopefully about the future, and I trust that you will agree with me that those hopes have been realised. As to our present prospects, I may refer you to that paragraph of the report which speaks of a substantial increase in the market value of the shares held by the company. I do not intend to weary you with details of our past operations, it would be injadicious to state publicly our present business, and I will not venture to prophecy, but I will make one prediction which is shared by those far more competent: J judge than I pratend to be—name'y, that the violent storry that has swept over the Transval will has see been passed through, and the settled and congenial guilty of the rock has determined the manager to commence the Guest, upon the success of which so much depends. The speathroughout the mine retain their value when compared with the previous half-year. The directors, as stated in their report, the arrival out the strictest economy in respect to expenditure, Guistest with efficiency, in working and maintaining the mine in the strictest economy in respect to expenditure, Guistest with efficiency, in working and maintaining the mine in the strictest economy in respect to expenditure, Guistest with efficiency, in working and maintaining the mine in the strictest economy in respect to expenditure, Guistest to estide at Laxey, whose services are available when inthe considerable saving will be made in the present half-year. Inthis considerable saving will be made in the present half-year. Inthis considerable saving will be made in the present half-year. Inthis considerable saving will be made in the present half-year. Inthis considerable saving will be made in the present half-year. Inthis considerable saving will be made in the present half-year. Inthis considerable saving will be made in the present half-year. Inthis considerable saving will be made in the present half-year. Inthis considerable saving will be made in the present half-year. Inthis considerable saving will be made in the present half-year. Inthis considerable saving will be made in the present half-year. In this considerable saving will be made in the present half-year. In this considerable saving will be made in the present half-year. In this considerable saving will be made in the present half-year. In this considerable saving will be made in the present half-year. In this considerable saving will be made in the present half-year. In this considerable saving will be made in the present half-year. In this constitution, a transfer of the present object of a company is to have a sum of \$450,000 to earn dividends on a capital of, in other words

factory to you all. In the succeeding paragraph we give you the names of some companies in which we have an interest, and onsome of these my friend, Mr. Seear, who is so well qualified to judge, will speak. The farms mentioned have been carefully selected, and we have every hope that they will be a very profitable investment, as the coal industry is one of great importance. The claims owned by the company certainly stand in our books at most reasonable prices. I would state, in connection with both farms and claims, that they are capable of great possibilities, and that we hope that some of the properties belonging to the company will become of considerable value. We have, and very properly, written off all the costs incurred in prospecting properties which have not proved successful. I cannot, of course, speak of our building site in Johannesburg, but I can speak of the site in Bishopsgate street, which is a very desirable one. Our auditors, as you see by the report, offer themselves for re-election. Themotion, therefore, cannot, of course, come from this side of the table. In conclusion, gentlemen, I can only say that it will be a great pleasure to me to answer any questions; if I cannot, I think my colleagues can, and if they refer to local matters, I am sure Mr. Dettelbach, who has been so long a resident in South Africa, can and will. The mention of this gentleman's name reminds me that it is my bounden daty, as it is my sincere pleasure, to express to him, as I did on a former occasion, the deep thanks of his colleagues, and I am sure I may say of every shareholder, for thegreat and judicious ability with which he has managed in London the affairs of the company during a most trying year—a year comprising a period of excitement, and closing with some appearance of disarrangement of affairs. On a former occasion I also ventured to tender the thanks of all to Mr. Berlein, our managing director in Johannesburg. I then spoke of that gentleman from what I heard of him; wa can now speak of him from personal acq

not everything), such conscientious and high-minded administrators of our affairs. I beg to move the adoption of the report and the balance-sheet.

Mr. Seeas seconded the resolution, and said his task was both an easy and agreeable one. Easy because the report of the directors, the balance-sheet and the profit and loss account, together with the Chairman's observations, left very little for him to say, and agreeable because he thought few companies had produced such startling results during their first year's operations. Virtually they hade earned 125 per cent, on their capital, and to prove that this statement was only the actual truth, he would give them the following figures;—The amount to be placed in reserve was £30,000, showing 10 per cent, while the amount necessary for the dividend was £120,000, or 40 per cent, on the capital. Then the managing directors took 25 per cent, which absorbed about £100,000, and the amount to be carried forward was £150,000, or 50 per cent. Therefigures, added together, amounted to £40,000, or, as he had said before, 125 per cent, on the capital. Referring to the properties held by the company, Mr. Seear, speaking of the West Rand Mines, said that originally they had 228 claims on the farm in Luipaard's Viel. The district was about 18 miles west of Johannesburg, and 2 miles from the now historical Krugeradoorp. By the absorption of the George and May, which was now included in the company, as well as other holdings, the claims had been increased to 641, and the most recent reports to hand stated that five shafts had been sunk to a depth of 500 feet, and a number of assays made. Upwards-of 100 samples averaged 20 dwts. 17 grains, so he thought they would agree with him that they had a property which would prove a very successful mine. The East Roodepoort Deep level and the Nigel Deep were also very hopeful properties, and, as the report said, they were now being worked, shafts having been sunk, &c. Then there was a superior of the same of the considerable portion of the traffi profitable acquisition, because the other coal mines could not last for ever, while the requirements of the district were greatly increasing. In regard to the remarks he had heard respecting the 25 per cent, paid the managing directors being a large sum, this, he reminded them, was the sum fixed by the axreement in the Memorandum of the Articles of Association, and the directors, therefore, had nothing to do with the matter. It was a legal matter, and the board had simply to carry the arrangement out. But he thought the money was well carned. Messrs. Berlein and Dettelbach had given all their time, intelligence, and skill to the company, with the result that an immense amount of money had been carned. He might tell them that when the assets were taken over by the company they were estimated at a very low value, and there was absolutely nothing to pay for prospecting or goodwill. The amount was put at £105,000, but the board, before adopting the agreement, took the precaution of having the property again valued by one of the best firms, when the amount was given at £140,000, so there was a profit made immediately of £35,000. Touching on the dividend, Mr. Secar considered that those who had the true interests of the company at heart would agree with the board that, in carrying forward so large a sum they were pursuing a proper and conservative policy which they as a financial company should follow. It was wise to always have some money in hand, and so be in a strong position, and although some shareholders who were in the habit of making a profit by in and out dealings might not be so satisfied as others, he was sure that those who intended to retain their interest in the company would agree that the coarse adopted by the board lyms as eafe and solid one. He had much pleasure in seconding the resolution.

Mr. Beasson criticised the way in which the profit had been dealt with by the directors, considering that there had been too much caution exercised.

The Chairman said he could only repeat that he thought it pro

The CHAIRMAN said he could only repeat that he thought it predent to keep a large reserve fund, while he also was of opinion-that the dividend of 40 per cent, was a large one. The resolution was then carried unanimously.

The CHAIRMAN next moved that a dividend at the rate of 84, per share, less income-tax be declared for the period ending Peccarber 31, 1895, shund be paid.

Mr. DETTELBACH seconded the motion, and it was agreed to. The auditors, Messrs, Cooper Brothers and Co., were reappointed, and a vote of thanks to the Chairman terminated the proceedings,

The BALAGHAT MYSORE MINES (LIMITED) has sold to add obtained during the mouth of Fabruary, which ranksold £743 1s. 8d.

AUSTRALIAN GOLD RECOVERY COMPANY, LIMITED.

The ordinary general meeting of the shareholders of the Australian Gold Recovery Company (Limited) (MacArthur-Forrest process) was held, on Thorsday, at the Cannon-street Hotel, E.C., under the idency of Mr. ROBERT SMITH, J.P.

CRETARY (Mr. L. J. Langmend) read the notice convening

The CHAIRMAN said: Gentlemen-You will remember that at the last meeting I had to apologise for the absence of your Chairman (Mr. McCulleob). I regret having to do so again, as he has been unavoidably called away to South Africa. I have also to apologis whavolcably called away to South Africa. I have also to apploying for the absence of Sir Charles Craaford and Mr. MacAthur, the latter being in South Africa. I have further to express our regret in not being able to call you together sooner; but, as I explained when I had the pleasure of last addressing you this is owing to the fact that the accounts, which have to be made up to September 31, could not be completed sooner for want of further information required by the auditors from the other side. further information required by the auditors from the other side. This will be remedied in future, as we are holding an extra-rdinary meeting at the close of this for the purpose. We feel, on the whole, that the accounts are not unsatisfactory. As you will observe, we have turned the corner, and, for the first time since the formation of the company, we show a profit instead of a loss. The financial difficulties which I referred to last year as affecting the whole of Australia have not altogether passed away; but there are signs of a general improvement, in which we feel sure we shall participate. Turning to the colony of Queensland, the year opened with encouraging prospects, which fully justified the expression of the hope that the year would be a better one for the company in Queensland than was the last. This has proved to be correct. Our work was hindered in the earlier part of the year, owing to the excessively wet seasor. Our returns, however, have improved, and we are matisfied that we shall be able to obtain still better results in the future. In the immediate vicinity of our works at Charters Towers In the immediate vicinity of our works at Charters Tower ave been erected at the Columb'a Mine, Mosman's Creek future. In the immediate vicinity of our works at Charters Towers plants have been erected at the Columbia Mine, Mosman's Creek, and at Rishton, and other plants are in course of erection. At the first three named the companies have treated concentrates and tailings with pronounced success, and have completely demonstrated the facility of working the process, and it seems to us highly probable that all the accumulated tailings lying at the various creeks will come under treatment. The ground adjoining the Columbia Mine has been leased, and a strong syndicate has been formed to sink a shaft to reach the Columbia reef, It is their intention to adopt the dry crushing avanide plant advocated is their intention to adopt the dry crushing cyanide plant advocated by the company for the direct treatment of ore. Mr. Gordon Wilson our manager at Cha ters Towers, also writes that he has reason to hope that arrangements will soon be effected with some of the most important millowners on the field for the treatment of their ore, and to see other large plants in operation at an early date. At Croydon, the Quartz Crushing and Gold Mining Company has operated with most excellent results. The figures are given to you in the directors' reports. Mesers. Forsythe and Richardson, of the Pioneer Mill, have treated over 6000 tons for 3236 ounces bullion, and John Milne, of the Highland Mary battery, 2715 tons for 2623 ounces bullion, and Mesers. Blunt and Forbes, of the Golden Valley Works, have treated over 2000 tons for 906 ounces—all under royalty to this company. I mention to hope that arrangements will soon be effected with some of the Bunt and Forbes, of the Golden Valley Works, have treated over 2000 tons for 906 ounces—all under royalty to this company. I mention these figures, among others, as showing that the process is making steady and satisfactory progress in this part of Australia. Turning to the Camberland Gold Mining Company, the work has been carried on here with gratifying results, the tailings treated amounting to about 4500 tons, the yield being about 3400 ounces bullion. You may remember we have half-interest in the results here. Experiments are also being made with the Nil Desperandum Company's ore and tailings. Our work has extended to Clermont, where the Star of Hope Prospecting Company has a cyanide plant of a capacity of 300 tons almost ready to commence operations; and Mr. Gordon Wilson tells us that he believes other mines in this district will soon follow suit. At Cloncurry, too, the process will shortly be in practical operation, where the gold from the Gilded Rose Gold Mining Company's tailings is very fine, and cannot be raved by simple amalgamation. The tailings, however, are decidedly rich, and readily amenable to cyanide. Their successful manipulation will probably lead to the reopening of the mine and mill, and will thus be productive of much good to the locality generally, as well as, I hope, to ourselves. At Rockhampton we are in a treaty for several large heaps of tailings; and, generally, from this part of the colony we may look for a sound advance in the commany's business. In Victoria, New South hampton we are in a treaty for several large neaps of tailings; and, generally, from this part of the colony we may look for a sound advance in the company's business. In Victoria, New South Waler, and South Australia our progress continues to be slow, largely owing to the conservative spirit of the members of the mining inewing to the conservative spirit of the members of the mining industry there, who have hitherto failed to realise the importance of cyanide in the economical treatment of their ore. We are, however, not losing sight of these fields, and the progress we are making elsewhere is bound to have its effect at no distant date. In New South Wales some thousands of tons of tailings have been acquired by a syndicate in which we are interested, assaying 5 dwts. to 7 dwts., which shows what is being lost for want of enterprise in this colony in adopting the cyanide treatment. The experiments which have been made on these tailings conclusively show that they can be treated most profitably. Now, as to Western Australis. I told you at the last meeting that this field was destined to play a part second to none in the gold production of the world, and I think told you at the last meeting that this field was desined to play a part second to none in the gold production of the world, and I think my prophecy is coming true. I also said then that this field would probably prove the best one for the company's operations in Australia. There can now be no doubt as to this. Our progress Australia. There can now be no doubt as to this. Our progress up to the present has necessarily been slow, owing to the time required to develop the mines and extract the ore; also the difficulty of transport and scarcity of water. I am glad, however, to say that these troubles are being evercome, and as the ore is produced so the necessity for cyanide must arise. Those interested in mining have also been too busy in abeir endeavours to float their leases and make money in scrip transactions rather than give the necessary attention to the opening up of the mines and obtaining the best means for the treatment of their ores. There can, however, be no doubt as to the necessity and suitability of our cyanide 'process, and we have already made several royalty contracts in Western Australia, amongst them one with the Hannan's Brownbill Gold Mining Company (Limited). In connection with this company, it has adopted our recent patent barrel amalgamation , it has adopted our recent patent barrel amalgamation cyanidation plant, which we have bad specially designed with sew of minimising the use of water. The mining companies of West Australia are watching with the greatest interest the results of the working of this plant, which has just recently been started, many of them having deferred ordering their machinery until the results are known. From our information, we have every reason to believe the results will be most satisfactory, and lead to a general than the property of the company was a started to a general than the company was a started to a second of the company was a started to a second of the company was a started to a second of the company was a started to the company was a West Australia are watching with the greatest interest the result adoption of this plant throughout Western Australia. In view of the general scarcity of water in this colony, the immense importance of this new plant cannot be overessimated. There is no doubt that the litigation in connection with the patents has materially interfered with the progress of our work throughout Australie, but it looks as if our progress of our work throughout Australis, but it looks as if our troubles are nearing an end. As you are awars, the judgment of the Court of Appeal in England has materially strengthened our position, and we have taken steps to amend our ratents on the lines therein indicated. We have already secured the amendment of our ratents in Queensland, West Australia, South Australia, and Tasmania, and have lodged our applications for Victoria and New South Wales. Our position is further strengthened by the recent powerful American decision in connection with the Gold and Silver Extraction Company of America, which holds the kindred patents for the United States, and which I will row read to you:—"Substance of decree in case Gold and Silver Extraction Company of America (Limited) against Mercur Gold Mie ng and Milling Company, adjudged and decreed that letters potent to MacArther-Forrest, May 14, 1839, for improvements in contents of obtaining gold and silver from ore, and

patent to MacArthur December 24, 1889, for improvements in metallurgical filter, are good and valid; that plaintiff is entitled to exclusive right in and under said letters patent; that the entire title to
said letters patent is vested in plaintiff; that defendant infringed
said patents by using same conjointly, and that defendant be enjoined and restrained from using said patents, or either of them,
or any process or improvement similar to them or either of
them, and from imitating same or either of them during the term of
said letters patent. Court not in session until next Monday, when
decree will be entered." A stronger decision than this could not
have been invited, and you all know the weight which an American
decision carries all over the world on patent questions. In the report
submitted we have referred to our flotation of an important mining
property in New South Wales. The name of the company is the submitted we have referred to our flotation of an important mining property in New South Wales. The name of the company is the Cobar Gold Mines (Limited), baving a capital of £20,000, of which £175,000 has been issued and £30,000 subscribed for working capital, and £25,000 held in reserve for the same purpose. We took in hand the flotation of this property on the strong recommendation of our Australian advisers. The properties are situated at Cobar, New South Wales, and consist of about 40 acres, and are traversed by exceedingly large reefs. The whole of the properties have been carefully examined and most favourably reported upon by eminent experts. The features of the property are the large body of ore, reefs, varying from 4 feet; 20 feet, the remarkably cheap working facilities, and the peculiar adaptability to treatment by cyanide. I may mention that an important banking corporation has taken a large interest in the company, and the whole of the money has been subscribed. In connection with this business we have large interest in the company, and the whole of the 'money has been subscribed. In connection with this business we have secured a substantial 'holding for this company, and what is better still, without entrenching on your funds. We shall be greatly disappointed if our holding does not turn out a very valuable asset for the company. Well, I think I have but little more to say: but as regards our future, I should like to convey the views of the board, and which I cannot do better than by quoting to you the language of our colleague, Mr. Fowler, at Adelaide. He says:—"I look forward to a period of increased mining activity, and the prospects of the company for the ensuing year look brighter than at any previous part of its history." Before concluding, I wish to express the great regret of my board at having to accept the resignation through ill-health of our colleague in Australia, Mr. George Swan Fowler, who, from the initiation of the company, has taken the deepest interest in our affairs; but we are glad to has taken the deepest interest in our affairs; but we are glad to tell you that we were fortunate in being able to secure the services of his son (Mr. James B. Fowler), who succeeds his father at the board, and holds the company's power of attorney for the colonies. I can say as regards this gentleman that we look upon him, from his great ability and warm interest in our affairs, as a tower of strength as our Australian director. Before sitting down I should also like to convey to you our high appreciation of our officers in strength as our Australian director. Before sitting down I should also like to convey to you our high appreciation of our officers in Australia. They have, one and all, the interests of the company at heart; they work with a will; they know the goodness and the value of the process—what it can achieve and what it is capable of doing. Though I would like to mention them all by name to you, as deserving of individual praise, I would refer to Mr. Gordon Wilson, Mr. Peter Macintyre, Mr. Williamson, and Mr. Charles McArthur. I beg to move the adoption of the report and accounts. (Applause.)

Mr. WOLSTAN TRUBSHAWE seconded the motion.

Mr. FLOWER; Have you had any negotiations with Hennan's Reward? Have they adopted the process in a similar way to Hannan's Brownbill?

The CHAIRMAN: I do not think we have had direct negotiation with them, but there is no doubt that all these companies are wait-ing to see the result of this amalgamation process as adopted by the Hannan's Brownhill. I think we shall have the result of it in the ourse of the next few days.

nourse of the next few days.

The motion was carried unanimously.

Mr. FLOWER proposed the re-election of Sir Charles Craufurd,
Bark, and Mr. Robert Smith as directors of the company.

Mr. WINGROVE seconded the motion, which was unanimously

agreed to,
The auditors (Mesers. Brown, Fleming, and Murray, and Mesers
Ford, Bhodes, and Ford) were reappointed.

An extraordinary general meeting was afterwards held, at which the following resolution was passed:—"That the Articles of Association be altered in manner following: In the last line of Article 123 the word 'four'shall be substituted for the word 'three."

A vote of thanks to the Chairman and directors terminated the

POLBERRO MINE COMPANY.

A sixteen weeks' meeting of the adventurers in Polberro Mine Company was held yesterday, at the offices, 37, Walbrook, Mr. J. B. ETNOLDS presiding.
The SECRETARY (Mr. Harvey) read the notice convening the

The CHAIRMAN said: Ludies and Gentlemen-Since the last The CHAIRMAN said: Ludies and Gentlemen—Since the last meeting of shareholders, we have met with unexpected and almost irreparable loss by the death of Captain Charles Thomas. Everybody who knew him will acknowledge that he was a man of unimpeachable integrity, ability, and honour, and the widespread grief caused by his death was only natural. Fortunately, however, for this company, he was associated with local officials in whom he had the greatest confidence, and of whom he often spoke to me privately in high terms of commendation, and it is well known that Captain Harper, who acted as under agent, is a gentleman of intelligence and deciterms of commendation, and it is well known that Captain Harper, who acted as under agent, is a gentleman of intelligence and decision, and in every way equal to the position which he has so worthily held. Under there circumstances the committee did not think proper to fill up the wacancy caused by Captain Charles Thomas's decease, but preferred leaving matters for the time being in the hands of Captain Harper. It is right to say at this point, however, that extended operations are not contemplated by any of the shareholders during the present severe depression in the tin market, and it is absolutely necessary that whilst this depression lasts expenses should be kept down to the lowest possible limit. If they are not so kept down this company will not survive the crisis through so kept down this company will not survive the crisis through which Cornish mining is now rassing. When I lat met you, with Captain Thomas by my side, I was extremely hop ful with regard to the future of tir, and Captain Charles Thomas himself was constantly in the habit of acknowledging that upon the future of the tin market the prosperity of this company, and of Cornish mining generally, entirely depended. He said, and said truly, that with the present price for tin the future of Cornish mining was dark in the extreme, and I think he agreed with me in the view I persistently expressed that a raise more tin than shareholders were obliged to do in the to raise ordinary working of their mines was an act of foily unworthy of business men. I cannot understand how so many still find delight in raising tin at just the price they will be able to receive for it, or in raising tin at just the price they will be able to receive for it, or worse still, raising tin at an absolute loss, and I will go farther and say that to me it is a very questionable policy exploring at all with the knowledge that you may not find the tin, or if you find it you may have to sell it much below the cast of production. Now, ladies and gentlemen, I have been thus explicit because I wish it to be fully understood what is the uppermost thought in my mind to-day. In the past, as to the tin market, I have been too sanguine, and whilst I would not on any account err in the other direction, because a mistake in the other direction would be fatally disa trons, I would endeavour so to advise you that you may thoroughly protect your own interests. tin market, I have been too sanguine, and whilst I would not on any account err in the other direction, because a mistake in the other direction would be fatally disa trous, I would endeavour so to advise you that you may thoroughly protect your own interests, and be securing to yourselves, permanently, any advantage which can be gained out of this, as I consider it, magnificent property. I want, you to beer in mind Cartain Thomas's repeated declaration—viz., that the mine was not a speculation in the ordinary sense of the term, but that it was as much a certainty as anything it e'ever knew of this description. These expressions of jopinion are

in print, and were uttered publicly, and when we remember that they were endorsed by the late Captain William Vivian, and the they were endorsed by the late Captain William Vivian, and that they are being endorsed now by men who are fally capable of giving an opinion, we must be careful what we as about as to the future. Another fact which we must face is this, that the Cost book System, rightly a wrongly, is utterly discredited. My personal views an altogether in favour of it, conducted as it is by us, but I do not represent in this matter the judgment of the public, neither and able to say that the Cost-book System is not open to terrible these involving supressed to the intervention of the public production of the production of the public production of the public production of the production of the public pr represent in this matter the judgment of the public, neither abuse, involving unknown liability on the part of shareholders. All I am able to assure the shareholders in this company is that if anything happened to me another element might be parameter in this company, which, in spite of the present officials, would run Polberro into debt, and, therefore, his considerable danger. Now, ladies and gentlemen, these are very serious reflections, and they press very heavily upon my mind, and I have resolved to tell you openly that if you honour mestill with your confidence you will resolve to lose no time in placing your selves in an impregnable position as far as future liability is concerned. My recommendation is this:—(1.) That we abandon the idea of continuing as a Cost-book company.—(2) That Polberro should be worked as a Limited Liability company.—(3.) That pending the carrying on of business as a limited company, the expense should be reduced to a minimum,—(4.) That we should not attempt extensive operation with Limited Liability until such time as the tim market justifies the proceeding. We may say that at present for all practical purthe proceeding. We may say that at present for all pra poses we owe nothing, for the small balance due to the poses we owe nothing, for the small balance due to the banker, of no moment, especially seeing that we have against it valuable assets which we shall turn into cash, and which whave not mentioned, to say nothing of the machiner and plant on the mine. I am not prepared at this meeting to a that we must stop the driving of the 50 or the 26 east, because that we must stop the driving of the 50 or the 25 east, because it would appear that probably we are just on the eve of meeting with a large deposit of tin. Every indication points to that result. For me to advise you, therefore, to suspend these points previous to adopting Limited L'ability, would expose me to a criticism which I should not care to face. I have always been in the habit of taking the shareholders into the most perfect confidence, and have told them everything I have had to tell, and the result has been very hearty and cordial support, the like of which I have never known surpassed; therefore I shall not do so or say anything in the future which I do not consider strictly in conformity with their interest, and no personal considerations will weigh with me, excepting, of course, my interest as by far the largest shareholder in the mine. I am not a stranger to these periods of adversity and depression. I have passed through storms before, and on previous occasions have been caught in calm and stagnant itimes like the present. In the past that succeeded, and in the fature I have no doubt I shall meet with like success. I must refer to my management of West Kityin the years preceding 1879, and I may say that the principles upon which I acted in that case were precisely similar to the principles which I intend to act upon in this. The result was, as far as West Kitty was concerned, that the shareholders who elected to de exactly as I suggested made an enormous profit upon their holdings. I think that those who stand by Polberro now will be more right. would appear that probably we are just on the eve of meeting with suggested made an enormous profit upon their holdings think that those who stand by Polberro now will be more riskly rewarded, if they simply follow my lead. There are some of our shareholders, I am quite ready to admit, who ought not to be called upon to pay any further money after this call to-day, against their judgment or inclination. They have borne a great bardes up to the present with great obserfulness and confidence, and it is not fair to say to them you must either go on paying or coast. Law fair to say to them you must either go on paying or go out. I am free to confess that my present action has very particular reference to such shareholders; in fact, if there are any more than other whose interests I wish to guard it is those shareholders who have felt most severely and terribly the crisis through which we who have felt most severely and terribly the crisis through which we have passed, and who, nevertheless, have acted all along with a most perfect honour. Now, having said so much, let me call you attention to the mine itself. All you who know anything about mining must admit that the immediate prospects of Polberro are exceedingly fine. It is folly to argue against such a proposition. Wherever the water may be coming from in the 50 fathon level, it acless that the water may be coming through the alebrated is clear that the water must be coming through the calebraich Pink lode, which must be of a very porous description. It may be that we have been emptying out, perhaps, caverns of water. At any rate, no miner can dispute the prospects immediately before us. With favourable turn in the tin market, which, I believe, is sure to come and perhaps soon, I leave you to judge with what ease we shall most likely be able to get the little money we require for stamping operations, and also for removing Turnavore engine to another shaft, or resuming work at Turnavore itself. It is a satisfaction to told that our pumping power is equal to any requirentich it may be put. Gentlemen—If, as I hope it will, it which it may be put. to fall to my lot to address you as a large with Limited Liability, I feel confident that I shall to point with a very considerable degree of pride to operations, which will result in the return of more than as operations, which will result in the return of more than satisfactory dividends to you; but do not let us herry matters, or, at any rate, do not let us be precipitate. Let us give the committee full power to-day with regard to future operations under the Cost-book system, on the understanding that under this system they will not spend more than is called up this day—1s. per share—without or knowledge and sanction, and that they will at the proper time take such steps as will ensure the successfol weeking of 2 charge on a properly extensive and, with Limited time take such steps as will ensure the successful weeker of Polberro on a properly extensive scale, with Limited Liability. I do not wish the limited company to have to pay any back liabilities incurred by working the mine, but to start fair with our machinery and plant, and with a clear book. The terms and conditions under which the limited company will come into possision, will, if you adopt my views, be fully laid before you in descourse for your consideration and adoption. The Chairman colculed by moving the adoption of the report and accounts.

Mr. A. Strauss said be had much pleasure in seconding the resolution and expressing his thanks for the lucid speech of the Chairman. In that speech Mr. Reynolds stated that certain resolutions would be submitted, the carrying out of which would mainly depend upon the future price of tin.

His (the speaker)

mainly depend upon the future price of tin. His (the s prediction at the last meeting that the price of tin would s improve had turned out to be correct. For the last two His (the spe prediction at the last meeting controct. For the last two or improve had turned out to be correct. For the last two or months they had reduced the total supply, and would do so months they had reduced the total supply. months they had reduced the translation of arisen from again this month. This favourable turn had not arisen from largely increased consumplied in the state of t The consumption had increased for the last 12 months The consumption had increased for the last 12 months by out-tons, or 10 per cent.; and this had taken place during a luli in the tin plate trade, which proved that the metal was being put to other uses. As soon, therefore, as the tinplate trade revived, this in-creased consumption would be even larger. There were indications now that the heavy supplies from the Straits might possibly diminish. The official reports seemed to confirm this view. Is a report published some months are the following statement apnow that diminish. report published some months ago the following statement appeared:—"Owing to the fall in the price of tin Captain At Quetit is reported, is going to close shortly two of his raines in Lural, thus throwing out of employment coolies numbering between 2500 and 8000. If the work is not resumed on them mines before the Chinese new year the police will have this hands full. At Quee's Mine at Kota is one of the largest is the world, employing between 5000 and 6000 men, and is one of the richest. It is reported that owing to the fall in the price of the miners in Perak have memorialised the Government or reduce the rate of duty charged." In another report, which appeared in the Straits Times of February 28, 1896, the following statement was made:—"Some time ago the Government suggested.

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the price of tin was as sure to rise as night followed day. ((heers.)
Mr. G. C. HANCOCK supported the motion, which was carried
MINING IN CORNWALL

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Mr. G. C. HANCOCK supported the motion, which was carried manimously.

The CHAIRMAN proposed.—"That a call of 1s. per share be made, payable on or before April 24"
payable on or before April 24."
This was seconded and agreed to.

On the motion of Mr. Field, seconded by Mr. Jacon, it was resolved.—"That if the committee deem it advisable to change the contiliction of the company from Cost-book to Limited Liability, they are hereby recommended to convene a meeting of shareholders, at such time and place as they may think best, to consider such sebtime as they may have to recommend."

A further resolution to the following effect was passed:—"That, in the opinion of this meeting, it is not advisable to incur more expense than is absolutely necessary, excepting at the 26 and 50, before it is demonstrated that the tin market is in a position to varant a different policy; and that the lords be communicated with at once, and asked to permit a temporary suspension of operations in the interval of changing from Cost-book to Limited Liability as soon as the costs provided for at this meeting have been incured."

incurred."

It was also resolved — "That, notwithstanding the foregoing resolutions, should an important discovery be made in the 50 or 26 east before operations are temporarily suspended, the shareholders should be called together to consider the effect of such discovery spon their future proceedings."

The usual votes of thanks having been passed, the proceedings in the control of the contro

LUIPARD'S VLEI ESTATE AND GOLD MINING COMPANY (LIMITED).

An extraordinary general meeting of the shareholders in the Laipard's Viel Estate and Gold Mining Company (Limited) took place on Wednesday, at the Cannon-street Hotel, when Mr. H. G. H. Norman presided.—The Chairman, in moving that the resolutions for thereconstruction of the company be confirmed, said they would see by the notice sent out that in deference to the wish of the shareholder, the directors had approached the Consolidated Gold Fields of South Africe, with the result that they had withdrawn from their gurantee, and in consequence the whole of the 70,000 shares might be taken up by the shareholders themselves,—Mr. Hoskyns seconded the resolutions, and they were carried new con.—The Cuairman next moved that the liquidators be authorised to distribute in specie amongst the shareholders the whole or part of the 140,000 shares to be allotted in pursuance of the agreement between the old company and the new company.—Mr. Scott seconded the motion, and it was agreed to.—Mr. De Pass proposed that the remuneration of the liquidators be fixed at 150 gaineas.—Mr. Crowther seconded the resolution, and it was carried.—The Chairman announced the recipit of a cablegram from the mine, which was interpreted as a cablegram from the mine, which was interpreted as incluses:—"Clean up not yet finished, treated 920 tons, assays are gept to 10 dwts. Expect the result will be 70 per cent, extractions with rock breaker only. There is a great improvement. Second half treat rolls crushing \(\frac{1}{2} \) inch, the result will be 80 per test."—The proceedings then terminated.

UNION STEAMSHIP COMPANY (LIMITED).

second half treat rolls crushing \(\frac{1}{2} \) inch, the result will be 80 per sent."—The proceedings then terminated.

UNION STEAMSHIP COMPANY (LIMITED).
The ordinary meeting of this company was held on Thursday, at Winchester Hoose, Sir F. H. Evans, M.P., in the chair. The directors roommended a dividend of 10s, per share on the fully paid shares, and 5s, on those with £10 paid, which, added to the interim distribution, made a total for the year of 4 per cent.—The Chairman, in moving the adoption of the report, said that when they met last year he rentered to congratulate the shareholders upon the improved position of the company, and he thought he could claim from the accounts now submitted that the improvement he then foreshadowed had been fully borne out by what had passed during the year under nvisw. They had a very difficult trade to deal with in South Africa. Unfortunately, although there had been a considerable increase in the other of gold and diamonds there, there had been "almost a decrease" in the other productions of the country. They had had be seed an increased tonnage to South Africa to carry the Durger cargo; but he regretted to say that there had barely been an increase stall in the cargo homewards. It was disheartening to see their ships leaving English shores fairly full of passengers and cargo, coming back, in many cases, practically empty, thus throwing the whole cost of the entire voyage upon the outward earnings. Sooner that, however, the directors hoped for a change in this respect. The dividend the directors recommended was satisfactory—at any rise is shipping matters. They had only to turn to the accounts of many other companies which had been submitted within the last two or three weeks, to know that in many cases no dividend whatever was paid to the shareholders; in other cases the dividends paid were not out of the profits but out of the reserve fund, which is companies had been able to lay by in former years. The gross roeight—£948,000—showed an increase of over £150,000 on t

AND DEVON: NOTES ON MINING IN THE WEST.

(FROM OUR SPECIAL CORRESPONDENT.)

network is superior of the control o

COMPANY FINANCE.

Reports, Balance Sheets, Dividends, &c., of Mining and other Companies.

NOTES ON MINING IN THE WEST.

(FROM OUR SPECIAL CORREPONDENT)

THERE is a yot no great increase in the volume of business which is being transacted on the Cornish Share Market, but month coming on the top of a substantial decrease in February has had a good effect, and in regarded as an indication of the dulinate improvements which is to take place in the time and the ready manner in which they have been dealt in during the last few walks, when everything eithe has been exceptionally dull, is the Delocath shares are still the most popular, and the ready was manner in which they have been dealt in during the last few walks, when everything either than the property of the second was a sufficient to the property of the second was a sufficient to the second of March. The directors meeting when it was said then we may have something more about it. There is nothing in the tangle de evidence of a dividend to impress on the second was an exception of the second was a construction of the second was not self-second was a construction of the second wa

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EXPORT AND IMPORT TRADE.

THE BOARD OF TRADE RETURNS-MARCH TABULAR STATEMENT.

Specially compiled for "The Mining Journal" from the Board of Trade Returns.

THE Imports for March amount el to 233,344,750, against 235,959,890 for the same mouth last year; an increase of £2,384,850. For the three months a ided March 31 the Imports totalted £112,795,480. For the three months a ided March 31 the Imports totalted £112,795,481. The exports for last corresponding period of 1895, an increase of £1,595,482. The exports for last of £1,899,389; and for the three months ended March 31,£51,232, an increase of £1,899,389; and for the three months ended March 31,£51,232, an increase of £2,572,682. The exports of foreign and coloning period of 1895, an increase of £25,273,682. The exports of foreign and coloning contained and adverses of £25,273,682. The exports of foreign and coloning contained and adverses of £25,273,682. The exports amounted to £15,087,899. While for £13,184,881 for the corresponding period last year, showing an increase of £1,385,584.

EXPORTS:-SUMMARY OF INCREASES AND DECREASES.

Principal and Other Articles		TITIES.	VA	LUE.
ARTHOTPAL AND OTHER ARTICLES	INCREASE.	DECREASE.	INCREASE	DECREASE
Raw Materials: Oual and Patent Fuel Tone	7,794	-	_	73,727
Coal, &c., shipped for steamers'	56,987	_	_	
Motals:				
Beass, and manufactures of Owts. Copper, unwrought and	1,545	-	6,718	-
wrought Cwts	1,418	-	26,961	_
MARDWARE and cutlery &	-	-	30,543	_
parts thereof £	-	-	17,624	_
Isos, unwrought and wrought	57,634	_	340,745	
LEAD, pig, rolled, &c.	200	1,025	340,143	6,924
PLATE, and plated gilt wares £	-	-	5,950	0,024
TELEGRAPH WIRES, &c. &	1,079	-	1,640	-
Wind on Good on	6,522	_	3,826	-
OTHER ARTICLES "£	-	=	5,143 23,084	-
			462,244	6,924
Total 🗷	_	_	455,320	
Machinery:		_	435,320	_
Other descriptions	-	-	49,537	-
Other descriptions	_		199.803	_
			219,340	-
				_
Total	-	-	219,340	-
ALEALI Cwts.		114,918	-	26,340
PRODUCTS Of COAL FOR	1,936	_	4,369 59,431	-

PRODUCTS Of COAL	ons £		=	4,369 59,431	-
EXPORTS:-BRI	TI	SH AND	IRISH		CE.
		QUANT	ITIES.	VAL	UES.
PRINCIPAL AND OTHER ARTICL	ES.	Month end	ed Mar. 31.	Month end	
Metals and Articles Man factured therefrom (e cept Machinery):— Brass, and Manusctures of, r being Ordnance	u-	1895. Gwts.	1896. Owts.	1895.	1896. £
being Ordnance Copper: Unwrought, in Ingo Cakes, or Slabs, and P	ts.	9,349	10,894	35,619	42,337
To Germany		11,348	15,120	24,650	37,286
, Holland	***	11,523	14,464	25,154	35,354
Italy	***	1,066 20,515 1,483	12,671 1,100	2,222 44,402 3,134	30,692 2,826
, British East Indies , Other countries	***	4,773	4,434	10,328	11,085
Total		50,806	52,659	109,893	129,295
Wrought, or Manufactur	es,				-
To Sweden and Norway	***	487	1,471	1,451	4,270
Turkey	***	4,465	3,071	11,583	8,801
Brasil	***	1,970	2,341 1,483	4,941 3,544	3,753
British East Indies	***	15,598 570	9,953	36,916	25,261
,, Other countries	***	6,491	13,463	17,553	37,017
Mixed or Yellow Metal :		30,977	32,562	78,404	88,145
", Other countries	***	3,491 13,625 7,111	1,860 17,941 4,398	7,152 30,814 16,135	4,234 37,099 10,585
Total		26,227	24,197	54,101	51,918
Total of Copper		108,010	109,428	242,398	269,359
Hardware and Cutlery Implements and Tools, and par		-	-	149,713	180,256
				99,981	117,615
Iron and Steel: Pig-iron:		Tons.	Tons.	£ 430	1,451
,Sweden and Norway		1,715	1,699 2,616	3,550	3,709
Germany	***	10,432 7,079	21,305	1,982 20,629 14,231	45,979
		1,749	7,018	9,678 4,764 776	31,172 21,450 8,731
, Portugal, Azores, & Made		349 1,323	3,377	776	100
Tinited States	***	7,946	5,074	2,652 17,377	3,968
Australasia	**	3,487	1,379	3,691 7,898	21,584 3,478
British North America	101	11,887	7,860	1,034 24,388	19,595
Total		52,178	70,792	113,080	180,726
Bar, angle, bolt, and rod . Railread of all sorts	***	11,282 33,067	13,176 54,430	68,057 148,787	78,893 252,610
Wire, iron and steel &c. Hoops, plates, boiler plates, &		3,197 6,869	3,849 7,506	59,562 48,570	252,610 73,080 52,493
Calvanised sheets Cast and wrought fron, &c.		15,728 25,775	21,835	170,750	259,160 379,152
Old, for re-manufacture Bteel, unwrought	***	7,350 15,497	27,439 12,794 24,033	320,946 18,439 152,608	35,265 212,770
Black plates for tinning Manufactures of steel, or of iro		2,064	3,809	27,012	38,613
and steel combined Total of iron and steel (includi	- 1	1,899	2,420	42,362	61,682
tim plates and sheets) Tin Plates and Sheets:		205,707	263,341	1,521,315	1,852,060
To Mussia		2,813	1,150	30,744	14,110
Holland	**	292	1,115	7,998 3,677	14,199 6,338
, Portugal, Azores, and M		2,073	1,161	25,598	13,740
AND THE PERSON AND TH	***	357 146	774 101	1,757	9,303
, Roumania , United States	***	18,743	8,903	219,174	6,800
Brasil Argentine Republic British Bast Indies		401 61	514 434	4,508 653	5,594 3,817
Alleningia		1,020	1,511 789	10,850	9,864
" British North America " Other Countries	***	2,452	789 2,914	11,927 7,245 28,398	8,165 32,548
. Total	_1	30,801	21,258	360,128	244,611
Lead: Pig Sheet, Piping, as]be	_ 1	1		
Manufactures; To Russia		Tons.	Tons.	E	£
China and Hong Kong	03-	148 267	154 479	1,483 2,673	1,785 5,529
Japan	101	360 556	263	4,852	3,650
British Hast Indies		794	- 884	5,384	12,881
World Lady Woodship A con and man	100	25 177 1,256	192 51 528	1,728	702
				12,971	7,016

Daniel L. C.	QUAN	TITIES.	' VAI	LUES.
PRINCIPAL AND OTHER ARTICLES	Month end	led Mar. 31.	Month end	ied Mar. 31
Plate & Plated & Gilt Wares- Telegraphic Wires, & appa- ratus connected therewith	=	=	24,951 19,598	30,901 21,238
Tin, Unwrought: To Russia , Sweden and Norway , Germany , France , Turkey , United States , British North America , Other countries	Cwts. 1,870 543 710 860 774 358 533 3,245	Cwts. 1,251 631 984 1,200 870 302 482 4,292	6,095 1,737 2,183 2,900 2,547 1,110 1,708 10,251	4,045 2,057 3,015 3,872 2,781 973 1,584 14,030
Total	8,913	9,992	28,53.	32,357
Zine or Spelter: Unwrought and Wrought	12,743	19,268	8,115	13,258
Total of Principal Articles other Articles Total of Metals and Articles	=	=	2,172,20€ 56,930	2,604,442 80,014
Manufactured therefrom (except Machinery)	563,948	449,030	2,229,136 135,112	2,648,456 109,772
Cement Products of coal (including paraffin, petroleum, &c.)	Tons. 23,616	Tons. 30,552	48,184 134,704	50,553 194,135
M	ACHINE			
Mining: (Not Steam Engines.) To Countries in Europe, United States, Countries in South America, British Possessions in S. Africa, East Indies, Australasia, Other Countries	Mar. 1895 £ 1,010 — 2,512 £7,905 3,107 3,380 5,178	Mar. 1896 £ 649 35 1.564 61 107 5.570 31,735 6,679	3mont hs'9: £ 3,582 581 7,833 82,947 8,563 9,945 10,643	3months'96 £ 3,824 97 13,438 182,641 13,683 72,994 11,331
Total	43,085	107,339	124,093	273,001
Total of Machinery other than Steam Engines	921,979	1,091,782	2,673,282	5,210,003
Total of Steam Engines	199,701	249,258	533,780	679,456
Total of Machinery and Mill Work	£1,121,680	£1,341,020	£3,204,062	£3,889,459

IMPORTS.

PRINCIPAL ABTICLES.

Copper: Unwrought and part wrought Iron and Steel: Bar, angle, bott, and rod Steel, unwrought ... Manufactures: Girders, beams, and pillars ...

Unenumerated

Petroleum ...

SUMMARY OF INC	BEADES AND I	DEUREADES.
PRINCIPAL AND OTHER	QUANTITIES.	VALUE.

Month ended Mar. 31

Tons. 571

621 372

114

Cwts. 47,829 Gals. 144,700 Lhs. 306,789 Cwts. 1,089

1895

Tons. 942

765 297

124

Cwts. 56,144 Gals. 108,300 Lbs. 213,175 Cwts. 7,239

15,655

Month ended Mar. 31.

1895

£ 43,819

2,506

716

43,335

4,054

19,635

6,245

48,464

1895

24,815

4,802

550

38,918

6,445

25,432

1.017

107,011

PRINCIPAL AND OTHER	QUAN	FITIES.	VAI	UE.
ABTICLES.	Increase.	Decrease.	Increase.	Decrease.
Metals: COPPER: Ore Tons Regulus , Unwrought and part	1,6:5	4,725	£ 16,315	9,296
Bar Steel, unwrought St	1,432 116,261 2,250 1,451 5,035	726,285	79,673 130,908 21,271 41,558 6,340 	2,912
			381,729 103,143	180,143
Chemicals:	_	-	203,586	_
ALKALI Gwts-BRIMSTONE	8,363 16,784	31,324	13,383	4,035
Heams, girders, &c Tons- Unenumerated Cwts.	1,927 61,161	Ξ	12,353 74,154	Ξ
FOREIGN ANI	COLO	NIAL PH	ODUCE.	

FOREIGN ANI		NIAL P	ıl	
	QUAN	TITIES.	V.	ALUES.
PRINCIPAL AND OTHER ARTICLES.	Month en	ded Mar. 31.	Month e	nded Mar. 3
ARTICLES,	1895,	1896.	1895.	1895.
Copper:	Tons,	Tons.	R	R
Ore;-Prom Spain	5,382	87	18,268	832
1. Italy	430	600	2,150	3,000
United States	44	125	751	2,030
, Venezuela	1,969	401	16,341	2 400
0	782	2,933	7,800	3,460
	-	6,500	7,000	89,410
Other countries	435	171	4,184	1,456
	0.044			
Total	9,042	4,317	49,494	40,198
From Portugal	-	52	-	1,560
a Spain	3,649	3,594	99,151	87,270
" United States	311	1,609	10,660	42,003
chili	100	15	2,500	625
Other countries	378	673	9,515	6,083
Total	4,438	6,053	121,228	137,541
nwrought and part Wrought:	7.020		44.536	
From United States	1,076	2,057	44,516	32,773
« Chili	598	1,257	23,360	58,724
** Australasia	697	812	28,601	38,134
" Other countries	745	422	30,037	18,566
Total	3,116	4,548	126,524	208,197
ron and Steel:	309,182	403,070	170,096	261,292
Iron ore Other countries	44,095	68,463	33,418	73,130
Total	353,277	469,538	203,514	334,422
	1,705		12,858	
Iron, bar, angle, bolt, & rod	835	3,955 754	9,061	34,109
Steel, unwrought	15,583	17,014	148,856	190,414
ead, pig and sheet	******	11,014	110,000	200,727
sulphur	51,924 Lbs.	56,959	87,921	94,261
		Lhs.		
uicksilver	750,865	24,530	65,083 182,823	76,982
		-	201041	10,000
in, in blacks, ingots, bars, or	Cwts,	Cwts.	1/2/1	
From Straits Settlements	48,820	61,C00	147,019	184,470
Australasia	9,293	5,580	28,411	16,843
Other countries	3,538	8,585	9,695	20,365
Total	61,651	73,175	185,125	221,678
ino, crude in cakes Tons	4,229	4,225	58,940	78,418
Wotel of principal articles			1 260 205	1 422 740
Total of principal articlea other articles	=	=	1,250,705 128,965	1,422,758
Total of metals			1.379.370	1,580,958

LATEST FROM THE MINES.

CABLEGRAMS AND TELEGRAMS.

ANGLO-CHILIAN NITRATE RAILWAY.—Gross traffereceipts during the month of March, 1896, £11,500; corresponding period in 1895, £11,000.

ARMADALE.—Messrs. Francis and Johnson, solicitors to this company, have received a cable from Coolgardie notifying that the three Armadale leases have been transferred into the names of the trustees of this company.

ARMADALE.—Mr. Frank Nicolas, the consulting engineer, cables as follows:—"Have holed with rise; samples from rise gave 23 dwts per ton."

cables as follows:—"Have holed with rise; samples from ise gave 23 dwts per ton."

BALAGHAT MYSORE.—Cablegram from Mr. Richards:—
"312 ounces of gold obtained from 2400 tons of tailings."

BARRETT.—The March gold return is 533 ounces, value £1827.

BRAND-KUMALIE.—The managers in South Africa cable that the reef at a depth of 78 feet in the underlie shaft, which is being sunk towards the eastern section of the Gold Bug property, is 2 feet 6 inches wide, and pans 3 ounces.

BROKEN HILL PROPRIETARY.—Report for the week ending the 2nd inst. 8168 tons of ore treated, yielded 471 tons of lead, containing 145,836 ounces silver. The price of the shares in Melbourne is £2 5s., buyers.

BLAGROVE'S FREEHOLD.—The directors have received the following tel gram from the manager, viz.:—"Crosscut has

BLAGROVE'S FREEHOLD.—The directors have received the following tel gram from the manager, viz.:—"Crosscut has been driven 35 feet for the month; now driven 43 feet."

BLOCK B. LANGLAAGTE ESTATE.—Production for March, by cable:—"Mill. Ore crushed, 8080 tons of 2000 lbs.; gold reterted, 2134 ounces.—Tailings, cyanide process. Tons treated, 5160 tons of 2000 lbs.; gold recovered, 420 ounces.—Concentrates, cyanide process. Tons treated, 200 tons of 2000 lbs.; gold recovered, 316 ounces; total gold recovered, 2270 ounces.

2870 ounces."
BURMA RUBY.—The result of the mining for the month of March was 21,000 loads washed, producing rubies valued at

of March was 21,000 loads washed, producing rubies valued at 26,000 rupees.

CARIBOO GOLD FIELDS (British Columbia).—The following cable has been received from Barkerville:—"Drain taund has been driven 110 feet during February and March. Total length driven and timbered 1549 feet. Ground continues to improve. Still in heavy wash gravel. Government Parliamentary Bill consolidating company's claims and water rights for 50 years has passed second reading. Confirmation this week, Everything progresses satisfactorily."

CASSEL COAL.—A cablegram received gives the output for the month of March as 25,017 tons, as against 22,435 tons in February, and 18,100 tons in March of last year, and being the largest output by 877 tons.

largest output by 877 tons.
CHAMPION REEF.—Telegram dated April 6 from the mine

"We are now starting new tailings machinery."
CITY AND SUBURBAN.—Last mouth's crushing yielded

CITY AND SUBURBAN.—Last mouth's crushing yields 8203 ounces.
CROWN REEF.—Results for March:—Yield in smelted gold from 120 stamp mill, 6706 ounces; yield in smelted gold from 120 stamp cyanide works, 4597 ounces; total, 11,303 ounces.
CROWN UNITED.—The directors have received the following cablegram from Mr. J. J. Cooper, of the firm of Cooper and Woodhouse, Coolgardie, dated April 7:—"Prospects very encouraging. Developments of the mines corroborate statements made. Tunnel is completed. Connections have been made between works and mill. Hauling ore to the mill, including stoping, estimated at 7s per ton. Crushing has been delayed owing to delay in a-rival of machinery, due to block at Freemantle. Mining work well executed with economy."
CONGLOMERATES AND DIAMOND FIELDS OF WESTERN AUSTRALIA.—The directors of the above-named company, which, it is understood, will be issued to the public shortly, have just received information that 340 tons of ore have been treated, giving a return of 510 ounces of gold, or an average of 1½ ounces per ton. They are also informed that a number of diamonds have been found on the property, and on April 2 a telegram was received announcing a find of 35 diamonds.

DAY DAWN BLOCK AND WYNDHAM.—Cablegram

diamonds.

DAY DAWN BLOCK AND WYNDHAM.—Cablegram from the general manager at Charters Towers gives the result of the crushing for the fortnight ending the 4th inst.:—"Tous, crushed, 1150; yield of gold, 1154 cunces; approximate valse, £3980; fortnight's expenses, £1950."

DE LAMAR.—The following is the cabled return for the month of March:—"Crushed during the month. 4030 tous; bullion produced in the mill, \$70,290; estimated value of one shipped to smelters, \$7175; miscellaneous revenue, \$390; total produce, \$78,355; total expenses, \$43,065; profit for the month of March, \$35,290; or, at \$4.90 to £ starting, £7202.

DON PEDRO.—Produce for the month of March 276 ounces.

DURBAN-ROODEPOORT.—The following results for March
have been received by cable:—"Quartz milled, 8265 tons, 60
stamps, 28 days, 3829 ounces; tailings treated, 6920 tons, 83
days, 1729 ounces; total, 5558 ounces. Advices have also been
received from the mine stating that the ore beyond the dyness
now improving in value."

now improving in value."

EAGLE'S NEST.—Cablegram received as follows:—"Street a rich body of ore 12 inches in width, panning 5 ounces to the

EAST WEALTH OF NATIONS.—Cablegram: — Lass. 1041, north shaft. South drive extended 5 feet, making a total length of 44 feet; reef increasing in width.—South shaft. Cross-

rength of 44 feet; reef increasing in width.—South shaft. Crosscut has been further extended 10 feet, making a total of 39 feet.
Struck formation 15 feet wide; ore shows visible gold.—Lass.
1042. Shaft has now reached a depth of 79 feet."

EMERALD REWARD.—The following cablegram reserved
on the 7th inst.—viz.:—"Tons milled 19, producing 19 outes.
10 dwts. per ton; 9 tons milled producing 5 ounces 10 dwts.
per ton.

per ton.

FERREIRA.—Copy of cablegram received from Johannese FERREIRA.—Copy of cablegram received from Johannese FERREIRA.—Copy of cablegram received from Johannese Ferreira from the season of the

FORBES REEF.—A telegram has been received from the mines stating that the result of the crushing for the month of March is 150 ounces of gold.

GELDENHUIS ESTATE.—Results for March: A cablegram has been received from the beauty of the

has been received from the head office, Johannesburg, stating the following results for last month:—" Crushed 16,134 tool; obtained from will 490? the following results for last month:—"Crushed 15,134 toos; obtained from mill, 4321 ounces of gold; obtained from concentration of trates by opanide, 472 ounces of gold; obtained from tailing by cyanide, 1411 ounces of gold; obtained from tailing by cyanide, 1411 ounces of gold; total, 6204 ounces of gold.

1,250,705 1,422,758 153,198 153,

GELDENHUIS DEEP .- Mr. H. C. Perkins, manager of the GELDENHUIS DEEL.—Mr. H. C. Ferkins, manager of the mine, cables the result of the clean-up for March as follows:—
"Mill ran 26 days. Tons crushed—from the mine, 7163 tons; from dump, 3827 tons; total, 11,000 tons, yielding 2486 ounces; formide treated, 7290 tons, yielding 1198 ounces; total yield,

3884 onness.
GEORGE GOCH AMALGAMATED.—The following cable is just to hand:—" 8213 tons crushed, yielding 2053 ounces, and from tailings 1330 ounces."

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ingo tons 188 from tailings 1330 ounces."

GINSBERG.—The Johannesburg Consolidated Investment
Company announce receipt of the following cable from the
above company:—"Production for March, 938 ounces;
10 stamps, 29 days."

GLENCAIRN MAIN REEF.—The Johannesburg Consoli-

GLENCAIRN MAIN REEF.—The Johannesburg Consolidated Investment Company announce receipt of the following table from the above company:—"Production for March, 4246 ounces; 100 stamps, 26 days."
GOLDEN SPUR GOLD MINES.—The manager cables as follows:—"Sinking shaft to a depth of 550 feet, work being done by contract at £3 15s. per foot, contractors finding all material. We are now down 400 feet, the lode is looking proteing, have begun driving north, developments upon the Gata sterial. The stering north, developments upon the Gate ising, have begun driving north, developments upon the Gate de must make it an absolute success."

GOLDEN LEAF AND SALISBURY-MURCHISON.-We are advised by receipt of a cablegram from their manager at Coe that the assays from the Agamemnon lode average 4 ounces per ton. Satisfactory as this must be to the shareholders of the Salisbury-Murchison Gold Mine (Limited) it is scarcely less welcome news to Golden Leaf (Limited), which holds such a

welcome news to Golden Leaf (Limited), which holds such a large interest in the undertaking.

GRASKOP.—The following return has been received from the mine for the month of March:—"435 tons, yielding 310 onness of gold."

GREAT BOULDER MAIN REEF.—Cable received April 8, from the company's agent at Perth:—"Great Boulder Main Reef. Development proceeding vigorously; 700 tons at grass, average 5 ounces. Manager telegraphs future assured.—
Mackin."

HANNAN'S NAPIER.—The following telegram has been received from Kalgoorlie, dated April 2:—"Hannan's Napier. North crosscut is in 60 feet; east 40 feet, west 23 feet. We are

North crosscut is in 60 feet; east 40 feet, west 23 feet. We are now in country rock."

HARQUAHALA.—The following cablegram has been resired from Mr. Raymond (Kalgoorlie, W.A.):—"Shaft has reached a depth of 215 feet in soft ground. We are at present crosscutting on the 125 feet and 175 feet levels. Pushing the matter forward with all possible speed."

HAURAKI.—The directors have received the following telegram from the manager:—"Total amount crushed, 380 tons; ounces of gold, 2119; approximate cost, £1750, profit, £4750. Shaft is down 233 feet. No change in mine."

HENRY NOURSE.—Crushing, March: 30 days, 8149 tons, produced 4136 ounces; cyanide, 5860 tons, produced 2030 ounces: total 6166 ounces.

produced 4136 ounces; cyanide, 5860 tons, produced 2030 onnes; total 6166 ounces.

HOLCOMB VALLEY.—The directors in London have resired the following cablegram, dated the 7th current, from Mr. George Thomson, who is now, at the request of the directors, on a visit to Holcomb Valley as the company's consulting engineer:—"Technical difficulties have been removed. Recommend you to push ahead with drifting. I quite agree with manager as the best method. There is an ample supply of water on the property. Expect to make returns immediately. I fully believe there is a fair future for the property."

MPERIAL WEST AUSTRALIAN CORPORATION.—
Advices from Perth state that this company's property at Westerd Shaw is being worked in a business-like manner. The machinery has been delayed, owing to the heavy rain, but when it is erected the manager expects to keep the battery crushing full time for eight months on the stone now in sight.

his erected the manager expects to keep the battery crushing full time for eight months on the stone now in sight.

JUBILEE.—Last month's crushing:—Tons crushed 6262, pidding 1796 ounces, tailings 527 ounces.

JUMPERS (THE).—Results for March: A cablegram has been received from the head office, at Johannesburg, stating the following results for last month:—"Crushed, 5546 tons; obtained from mill, 2450 ounces of gold; from concentrates, equal to 461 ounces of gold; from tailings by cyanide, 419 ounces of gold; total, 3300 ounces of gold; profit for month, \$2250. The mill ran 17 days."

KAPANGA.—The directors have received the following telegram from the manager, viz.;—"Shaft has been sunk 9 feet for

gas from the manager, viz.:—"Shaft has been sunk 9 feet for the month; total depth, 915 feet. Good progress is being made in cutting chamber. There are indications of improvement in the rest throughout the mine."

KOFFYFONTEIN.—The returns for the month of March are

theoried to be 4500 carats.

LADY LOCH.—Cablegram from the local secretary, Perth, W.A., April 2:—"We have cleared up after a run of 72 hours, 25 tons of ore; realised 444 ounces of amalgam yielding over sunces of gold per ton of 2000 lbs. Recommenced crushing.

We have 5 stamps running."

LANGLAAGTE ESTATE.—Production for March: By cable:

LANGLAAGTE ESTATE.—Production for Murch: By cable:
"Mill Ore crushed, 20,714 tons of 2000 lbs.; gold retorted, 6160 omess.—Tailings. Cyanide process. Tons treated. 12,760 tons of 2000 lbs.; gold recovered; 1830 ounces.—Concentrates. Cyanide process. Tons treated, 440 tons of 2000 lbs.; gold rewrited, 1578 ounces; total gold recovered 9568 ounces.
LISBON-BERLYN.—A cable has been received from the manager, giving the following results for the month of larch:—"Ore treated direct by cyanide, 1200 tons (of 2000 lbs.); tailings treated by cyanide, 180 tons (of 2000 lbs.) Total recovered, 842 ounces bullion."
LOCHINVAR.—The following is the translation of a cable

Novered, 842 ounces bullion."

LOCHINVAR.—The following is the translation of a cable nested from the company's general manager at the mines at lardoc, Western Australia:—"No. 2 shaft (have) crosscut to the sast; the roof is now wider than the drive, 5 feet. Have become sinking; depth attained 71 feet, in softer ground."

LYDENBURG MINING ESTATES.—Results for March:
—From mill. Crushed 4851 tons, yielding 3502 ounces of gold.
—From eyanide works. Treated 2387 tons, yielding 1443 ounces of gold. Total yield, 4945 ounces of gold. Total value of souths output, £14,213.

MASHONALAND AGENCY.—The following telegram has been received from Buluwave, dated 6th inst.:—"D. Tyrie Laing and 42 men quite safe. Lasger Bellingwe district. Gwanda district relieved. Maurice Gifford patrolling for the purpose of stacking."

McKENZIE GLENLOTH.—Mr Frank Nicolas, the ecm-pay's consulting engineer, cables that "the mine looks splendid, and adds that crushing will commence at the beginning of next

MENZIES "CRUSOE" GOLD CLAIMS.—The following information has been received by cable from this company's mager at the mines:—"Started crushing April 2, 10 stamps, Robinson Crusoe claim underlay shaft. Stone battery working till time."

MENZIES GOLD ESTATES.—A cablegram states that a her quarts vein containing gold has been discovered on the

MOUNT MORGAN (Queensland).—Results for the month of Tons chlorinated, 7841; gold returned, 12,013

MENZIES GOLD ESTATES.—Report states that the vein just discovered on the Aurelia block is fully 1 foot wide, and can be traced for 950 feet; gold has been seen wherever opened.

MEYER AND CHARLTON.—Result of working for March:
—Main reef, 1890 tons crushed; south reef, 4594 tons crushed; leader reef, 716 tons crushed; total 7200 tons. Gold won, 2518 ounces; extracted from tailings, 939 ounces; total 3457 ounces.

MONTANA.—By cablegram from the mine the directors are informed that the total output for March was 6400 tons of ore which contained gold, 2510 ounces; and silver, 15,510 ounces. The estimated realisable value of the same is \$59,900.

MOUNT ROWE CONSOLIDATED.—The following telegram has been received with reference to the pew discovery at the

has been received with reference to the new discovery at the 160 feet level in the Regina shaft:—"The north drive has been run 28 feet. The south drive 24 feet. The ore as developed improved in grade. The oil engine is working most satisfactorily."

MURCHISON NEW CHUM.—The following cables have

MURCHISON NEW CHUM.—The following cables have recently passed between the company and its manager:—"To manager, dispatched March 31:—Report fully whether you have made any fresh discoveries at the lowest level." From manager, to hand April 7:—"Have been unable to discover anything up to the present at the lowest level. Level No. 2 prospecting. The rise from bottom level referred to in cable of March 10 is now up — feet, found ore at 48 feet. It may be premature to attach any considerable importance to this discovery. Report mailed."

MYSORE REEFS (Kangundy).—Telegram from the mine, dated April 4, gives last month's return of gold as follows:—"156 tons of ore crushed has yielded 114 ounces of retorted gold; decrease owing to want of water."

MYSORE.—Telegram from the mine gives the return of gold for the month of March as follows:—"5540 tons of quartz produced 8042 ounces of gold; 3200 tons of tailings produced 591 ounces of gold; 1820 tons of tailings (cyanide process) produced 301 ounces of gold; total production for the month, 8934 ounces of gold."

NEW CRCESUS.—Production for March (60 stamps 28 days), 2724 ounces

NEW CRŒSUS .- Production for March (60 stamps 28 days), 2724 ounces.

NEW HERIOT.—Last month's crushing yielded 6045

NEWHOUSE TUNNEL.—The following cable has been received from Denver, dated April 2:—"We have driven during the past month 180 feet."

the past month 180 feet."

NEW QUEEN.—The London board have received the following cablegram, dated Charters Towers, April 9:—"Have shipped, per Duke of Argyll, 445 ounces (gold)."

NEW RIETFONTEIN.—Production for March 2349 ounces.

NIGEL.—Last month's crushing yielded:—Battery, 904 ounces; cyanide, 894 ounces; total 1798 ounces.

90-MILE PROPRIETARY.—The following cable has been received from the company's agent in Perth:—"A trial crushing of 50 tens has yielded 329 ounces of gold amalgam. Crushing proceeding."

NORSEMAN. -The West Australian and General Association

NORSEMAN.—The West Australian and General Association (Limited) have just received from their mining expert, Mr. L. M. Davis, in Australia, a report in which he expresses his satisfaction at the acquisition of this property. He considers the mine one of the best in West Australia, and can see no reason why it should not in a short time rank as a dividend payer.

NORTHERN WEALTH OF NATIONS.—The following cablegram has been received from W. Lonsdale, Esq., the Chairman of the company, who is making a thorough examination of the property in conjunction with Captain Rowe, the company's resident mine manager: "New find, at a depth of 60 feet, the assays from the lode average nearly 2 ounces; manager quite satisfied.—Lonsdale."

NUNDYDROOG.—Telegram from the mines gives the return

satisfied.—Lonsdale."

NUNDYDROOG.—Telegram from the mines gives the return of gold for the mouth of March as follows:—" 2800 tons of quartz produced 3351 ounces of gold. 700 tons of tsilings produced 199 ounces of gold. Total production for the mouth, 3550 ounces of gold."

OOREGUM.—Telegram from the mine, dated April 3, gives last mouth's return of gold as follows:—" 5338 tons of quartz produced 5118 ounces of gold; 5175 tons of tailings produced 939 ounces of gold; total production for the mouth, 6057 ounces of gold."

of gold."
PAHANG CORPORATION.—Returns for March:—Jeram
PAHANG CORPORATION.—Returns for March:—Jeram PAHANG CORPORATION.—Returns for March:—Jeram Lumpong mill: In 26 days of 24 hours each 955 tons of stone were crushed, producing 40 tons 10 cwts. of black tin; 20 stamps running; working costs, \$11,000.—Jeram Batang mill: In 25 days of 24 hours each 820 tons of stone were crushed, producing 40 tons of black tin; 20 stamps running; working costs, \$7000. ROODEPOORT UNITED MAIN REEF.—Crushing for

running; working costs, \$11,000.—Jeram Batang mill: In 25 days of 24 hours each 820 tons of stone were crushed, producing 40 tons of bluck tin; 20 stamps running; working costs, \$7000. ROODEPOORT UNITED MAIN REEF.—Crushing for March:—6950 tons produced 3026 ounces; cyanide works, 975 ounces; total, 4001 ounces; profit, £6457.

SACKE ESTATES AND MINING.—According to cable advices received, this company has just floated off on most favourable terms its property on Luipaards Vlei South, formerly known as the Sicke and Saenger portion of Luipaards Vlei. The new company will be styled the Midas East Estate (capital £200,000), and start on its career under the director ate of Messrs. Brochon, Hatch, Mosenthal, Albu, Sacke, and Luebeck. The Sacke Company realises by this first transaction an amount in cash and share, reckoned at par, equal to 30 per cent. In its total capital of £250,000. The property just disposed of is one out of the very large number of properties owned by the parent company in the Transvanl.

SALISBURY.—Last month's crushing yielded 2450 ounces. SALISBURY.—Last month's crushing yielded 2450 ounces. SALISBURY.—MURCHISON.—The company have received a cablegram from their manager, Mr. E. Wattis, as follows:—"Agamemoon. The assays from the lode average 4 ounces."

SAN SALVADOR SPANISH IRON ORE.—The s.s. Emerald sailed from Santander on the 8th instant, with a cargo of this company's ore for Glasgow.

SHERA—The following capherram has been received from the

Emerald sailed from Santander on the 5th instant, with a cargo of this company's ore for Glasgow.

SHEBA.—The following cablegram has been received from the general manager for the month of March:—"3035 tons (2000lbs), 9625 ounces. 3200 tons (2000 lbs.) tailings, 2110 ounces. 75 tons (2000 lbs.) concentrates, 765 ounces. Total, 12,500 ounces. The general manager adds that rich quartz has been struck on large. In a 12"

level No. 12."

level No. 12."

SILVER KING.—Cable from mines:—"During March mill ran 29 days, principally on tailings; treated, 2100 tons; produced, 10,500 ounces silver; shipped, 10,500 ounces; expenses, \$10,500; bullion on hand, 1850 ounces."

SPITZKOP FARM.—The following cable, dated April 9, has been received from the mine:—"Hydraulic clean up 286 ounces."

STANHOPE.—Last month's crushing yielded 870 ounces. 15 hours. Crushed 991 tons for 378 ounces. Mill working again. The mill only ran during part of March owing to want of water through breakdown of the pump.

SUGARLOAF 25-MILE CEMENT.—Arrangements have been concluded with Mr. Alexander Brand, cousin of Dr. Albano

en concluded with Mr. Alexander Brand, cousin of Dr. Albano Brand, for his appointment as engineer and manager of this company's property. Mr. Brand has had a very large experience

the of gold mining.

WOLHUTER.—Crushing for March:—11,614 tons produced WOLHUTER.—Crushing for March:—11,614 tons produced Applications for their services show WORCESTER.—Result of last month's crushings yielded WORCESTER.—Result of last month's crushings yielded

TASMANIA EXPLORATION.—The following cable has been received from the secretary of the company at Hobart, dated April 1:—"Have returned from Golden Gate Extended. Shaft has reached a depth of 233 feet. The country rock is slate, intermixed with veins of gold-bearing quartz. Very good indications for gold-bearing reefs. Explorations in lower levels estimated have exposed six parallel reefs.—Jubilee. The mine has been favourably reported upon. There is a large quantity of ore in sight, 17 dwts. to the ton. Will send full particulars by next mail, also letter of instructions to deal with." N.B.—The last paragraph refers to the formation of a subsidiary company for the purchase of the Jubilee property.

TAITAPU GOLD ESTATES.—On the 9th inst., the following was received by cable from Mr. W. A. Low, the manager in New Zealand:—"Since last report developments open up splendidly. Tunnel has been driven 120 feet south; have crosscut to the reef. We have struck solid reef of extraordinary richness, with plainly-defined hanging and foot walls; the hanging wall is quartzite, the footwall is Silurian slate, crosscut driven to intercept lode 70 feet to the north, obtained from one blast 30 bags of stone exceedingly rich. The mine superintendent cut trench 150 feet to the west down gully, 60 feet vertical below outcrop level, found reef same walls, gold is visible throughout. Am convinced there is a brilliant future before the company."

THAMES HAURAKI.—Cable from the representative sent out to New Zealand to report on the property:—"Thames Hauraki Go'd Fields (Limited) I consider a most valuable pro-

THAMES HAURAKI.—Cable from the representative sent out to New Zealand to report on the property:—"Thames Hauraki Go'd Fields (Limited) I consider a most valuable property. It is generally believed here that prospects are grand." TOLIMA.—The following cablegram has been received from the acting superintendent:—"Estimated returns for March, £3500; estimated profit for March, £300. Will improve."—P.S. In this return fine silver is valued at 33d. per ounce.

P.S. In this return fine silver is valued at 33d. per ounce. TRIUMPH (Hauraki). — The following cablegram from the mine manager:—"The crosscut from level No. 7 is driven 177 feet; cost per foot run, £1 10s. 9J. Good progress is being made developments in the higher levels. On the old hut level a quartz vein has been struck full of visible free gold."
WELD-HERCULES.—In reply to the request of the directors for further particulars of the new discovery recently reported, Mr. William Palmer, the mine's manager, cables as follows, under date 9th inst.:—"New discovery prospects excellent, only worked at the surface. Have struck an important body of ore in lesse 661: prospects are grand."

WEMMER.—The London agents are advised by cable that at the general meeting, held in Johannesburg on April 9, the question of the election of directors was left to be decided by

at the general meeting, held in Johannesburg on April 9, the question of the election of directors was left to be decided by ballots to be taken on April 15 and 22. Any shareholders who have inadvertently given proxies other than through the London agency, which may be used to displace any of the present board, and may now wish to cancel such proxies, are requested to furnish a written authority to this effect to Messrs. Robort Whyte and Co., London agents, 19, Bury-street, St. Mary Axe, C., not later than Tuesday mornings April 14 and 21.
WEST KALGURLI.—The following is from the last report

WEST KALGURLI.—The following is from the last report of the manager of the mines: The main shaft is now down 120 feet, and the reef 3 feet 6 inches wide. The reef is highly mineralised and we are just on the water. I expect in another 20 feet we shall have a very big supply.

WEMMER.—The result of work done during March is as follows:—"6770 tons crushed, yielding 3499 ounces of gold, 29 days. Cyanide plant, 4875 tons treated, yielding 1041 ounces. Cencentrates caught 135 tons, assaying 98 dwts. (4 ounces 18 dwts.)."

UNITED NEW ZEALAND EXPLORATION, LTD.

CAPITAL£250,000.

DIRECTORS.

C. WICHMANN, Chairman of the Anglo-Continental Gold Syndicate (Limited).

PERCY TARBUTT, Director of the Consolidated Gold Fields of South Africa (Limited). EDMUND DAVIS, D'rector of the Bechuanaland Exploration

Company (Limited). W. F. TURNER, Director of the Anglo-Continental Gold Syndicate (Limited).

BANKERS.

The UNION BANK OF LONDON (Limited), Princes Street, London, E.C.

SOLICITORS.

Messrs. ASHURST, MORRIS, CRISP, and CO., 17, Throgmorton Avenue, London, E.C.

SECRETARY.

ALFRED WILLIAM BERRY.

OFFICES.

AUCKLAND, NEW ZEALAND. 22, AUSTIN FRIARS, LONDON, E.C.

THE Company has been formed to acquire mining proper iea, rights, and interests in the Colony of New Zealand.

The Directors have secured the exclusive services of Mr. Henry A. Gordon, M.A.Inst.M.E., Inspecting Engineer to the Government Mines Department, and of Mr. James Park, F.G.S., late Director of the Government School of Mines, Thames,

The Directors, finding a great scarcity in the Colony of competent mining experts not interested in the properties offered for sale, are prepared to arrange for Mr. Henry A. Gordon and Mr. James Park to examine and report on mining properties.

The Company is prepared to undertake the flotation and nanagement of approved mining properties after investigation by

Applications for their services should be addressed to the Company, By Order of the Buard.

L. LE PERSONNE & CO., London, E.C. TRON, METAL, and MINERAL MERCHANTS and BROKERS. (Zinc, Lead, Silver Lead, and Copper Ores' offers specially invited.)

C. PASS & SON (Limited), BRISTOL,

LEAD ASHES, SULPHATE OF LEAD, LEAD SLAGS, ANTIMONIAL LEAD, COPPER MATTE, TIN ASHES, &c. and DROSS or ORES containing

TIN, COPPER, LEAD, AND ANTIMONY.

HENRY WIGGIN & CO. (Limited), NICKEL AND COBALT REFINERS, MAKERS OF BEST RED LEAD FOR FLINT GLASS MANUFACTURERS,

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HENRY DAVIES, F.G.S., CONSULTING MINING ENGINEER,

6, GREAT WINCHESTER STREET, LONDON, E.C.

Author of "Machinery for Metalliferous Mines."

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"Undertakes the INSPECTION and MANAGEMENT of MINES at home abroad, and the introduction of approved Properties to Capitalists,

Minerals of all descriptions purchased in large or small quantities.

MINING PLANS.

Mounted on Cloth, Folded in Cases, or on Cloth, Varnished and Bollers to hang on wall, or in any other style, required by E. DAW and SON, 36, Fetter Lane, EC., MAP MOUNTERS AND FRAME MAKERS.

ESTABLISHED 1840.

LAMBERT'S WHARFAGE CO. PRINCE OF WALES DOCK, SWANSEA

Ores, Mattes Regulus, and Bars received and prepared for market.
Copper, Lead, Tin, Spelter, and Pig Iron Received, Weighed, and
Sampled, and Warrants issued against same.
N.B.—Warrants are on Accepted List of London Metal Exchange.
Regular lines of steamers from America, Europe, &c.
Good prices can be obtained for low produce Copper Ores. Send
fair samples of not less than half a pound.

THE AUSTRALIAN GOLD RECOVERY COMPANY (Limited).

(MACARTHUR-FORREST PROCESS),

All information and terms regarding Plants and the Licensing of

this Process can be obtained on application to:

THE AUSTRALIAN GOLD RECOVERY CO. (Ld.),

23, College Hill, London, E.C. JAMES R. FOWLER, Esq., 14, King William Street

GORDON WILSON, Esq., The Australian Gold Recovery Com-pany (Limited), Charters Towers, North Queensland.

AGENTS FOR THE CASSEL GOLD EXTRACTING COMPANY'S MANUFACTURES OF HIGH GRADE CYANIDE.

THE BUTE WORKS SUPPLY COMPANY.

133M, BUTE DOCKS, CARDIFF, Telephone: No. 45 (Post Office and National), Telegrams: Gething, Cardiff.

RAILS .- Bridge, Flange, Double Head, and Bull Head, with or ithout fastenings.
SLEEPERS. - Wood and Steel for all gauges.

EARTH WAGONS .- 30-inch gauge, end and or side tipping,

EARTH WAGONS,—30-inch gauge, end and or side tipping, £5 each, at Cardiff.

PORTABLE RAILWAY.—£11 per 100 yards of railway 30 inch gauge, and £30 per 100 yards of railway 30 inch gauge, both complete and ready for laying.

RAILWAY COAL WAGONS.—(New and Second-hand) For Cash, Redemption Hire or Simple Hire. Quick delivery can be made of perfectly new, and almost new latest regulations.

LOCOMOTIVES.—Six wheels coupled, by Manning, Wardle, and Co., 12 inches by 17 inches, now at Cardiff; also six wheels coupled, by Avonside Engine Company, 14 inches by 20 inches, now. at Cardiff; also six wheels coupled, by Sharp, Stewart, and Co., 17 inches by 24 inches, now near Cardiff; all recently thoroughly overhauled, and ready for instant work; cheap for cash, or three years' redemption purchase. years' redemption purchase.
Full particulars on application.

TENDER.

NORTH LONDON BAILWAY.

THE DIRECTORS of this Company are PREPARED to RECEIVE TENDERS for the supply of 1500 TONS of HOUSE COAL, the deliveries to extend over a period of Twelve Months, or thereabout, commencing in May next.

Particulars of terms and conditions of Tender can be obtained

on application to the Locomotive Superintendent at the Company's Works, Bow Road, London, E.

Works, Bow Boad, London, E.

Tenders, addressed to the undersigned, to be sent in before 9 a.m.
on Wednesday, 29th April, 1896, marked ontside "Tender for House

The Directors do not bind themselves to accept the lowest or any G. BOLLAND NEWTON, Secretary.

Euston Station, London, N.W., 9th April, 1896.

DIARY.

Monday, April 19. Society of Arts, "Precious Stones," Mr. H. A. Miers, 8. Tuesday, April 14.

Julia Taltal Nitrate, Cannon Street Hotel, 11.30.
Loma Gold Mines (Limited), Winchester House, 12.30,
"The Jumpers" Gold Mining Company, Johannesburg.
Robinson Gold Mining Company, Johannesburg.

Wednesday, April 15. Hannan's King Brownhill Gold Mining Co., Win. Ho., 2.30.
Mashonaland Agency, Cannon Street Hotel, 2.30.
Institute Mining and Metallurgy "Transmission of Power, &c.," Mr. P. R. Robert, Geological Museum, Jermyn

Thursday, April 16.

Australian Broken Hill Consols, Winchester House, 12. Sierra Buttes Gold Mining Company, Cannon St. Ho., 12. Lake View South Gold Mine (W.A.), Winchester Ho., 2.

The Ittining Yournal, RAILWAY AND COMMERCIAL GAZETTE:

An Illustrated Record of Mining, Metallurgical, Railway, Financial, Industrial. and Engineering Progress.

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LONDON: APRIL 11, 1896.

A YEAR'S MINING IN NOVA SCOTIA.

TE have just received the report of the Nova Scotian Department of Mines for the year ending September 30, 1895, and, as usual, we find much information of a highly interesting nature embodied in the modest-looking pamphlet. The chief sources of mineral wealth in Nova Scotia are, as is well known, coal and gold-the former coming first in point of total value. We have recently been insisting on the importance of her coal output to Great Britain from a national point of view. It is certain that this same mineral plays an equally leading part in "Greater Britain" from an international point of view. Recent events in the political world have, at any rate, had this beneficial effect, that they have forced even the most insular-minded of Little Englanders to look abroad to his Colonial brothren and to realise the true meaning of British unity. At a moment when every one is feeling the advantages of a closer union between the Colonies and the Mother Country, the importance of the mineral that really forms the connecting link between them, and which provides the means of communication that has in actual fact drawn them nearer together, must certainly not be overlooked. Nova Scotia possesses the only soal field actually on the western shores of the Atlantic seaboard, and this one circumstance alone should be sufficient to cause us to study carefully all the conditions of coal mining in that province. It is to be regretted that the report before us never deals in values, but only in quantities; we see from it, however, that in may be—and there are no large ones—the result is still a wo

the fiscal year of 1895, the output of coal was 2,080,245 ton; as against 2,200,235 tons in the previous 12 months. There is, therefore, a small falling off; no doubt this was largely due to an accidental but disastrous coincidence of pithead fires in two important collieries, if not indeed the most important in their respective counties. These fires occurred at the Acadia Mines in Pictou, and the Springbill Mines in Cumberland County, in each case early in the year, and in each case the engine house and boiler house were seriously damaged; in the first-name the mine was compelled to lie idle for several months, and in the second great delays and difficulties were caused, so that in the second great delays and the second great delays are second great delays and the second great delays and the second great delays are second great delays and the second great delays are second great delays and the second great delays are second great delays and the second great delays are second great delays and the second great delays are second great delays and the second great delays are second great delays and the second great delays are second great delays and the second great delays are second great delays and the second great delays are second great delays and the second great delays are Under the circumstance, however, this diminution is no indication of an unsatisfactory state of affairs in the coal trade, Indeed, as far as can be learned from a report that carefully, one might almost say ostentatiously, excludes all financial considerations, coal mining generally is in a flourishing condition, Out of the 2,089,245 tons of coal raised 1,831,357 tons were sold, and 203,414 tons were consumed by the collieries, out of which amount the engines took 148,811 tons, and the balance, or 54,603 tons, was consumed by the workmen. Nova Scotia is a cold country, and the winter is long and severe; nevertheless, these figures are by no means excessive. They amount, as will be seen, to a little under 10 per cent. on the total production, In the analysis we reproduced a couple of weeks ago of the results of last year's work at the Marquis of Londonderer's Rainton Pits this item was over 19 per cent., or nearly double that of the Nova Scotian collieries. The total number of men of all classes employed at the Nova Scotian collieries is 5793, so that the above figure works out at some 9 tons per annum for each workman employed—a very fair allowance. It seems that the above 5793 men worked for 1,408,568 days in the year, or 243 days per year per man. This gives an average of 4.7 days worked per week, a figure somewhat above the average of those we published last week as being the result of the best three months in the English coal trade. But of the total number of men, we find that there were 4112 employed underground and 1681 above ground. The gross output of coal per man underground is, therefore, 508 tons, and the gross output per man above and below ground is 361 tons. note, in passing, that at Springhill, where the chief seam is 11 feet in thickness, the very high proportion of 1232 tons was raised last year for each man engaged underground. Reverting, however, to the averages and comparing them with those obtained in Great Britain in 1894, we find that here the proportion of men employed above ground to those underground is rather over 4 to 1 whilst, as we have seen in Nova Scotia, it is only 2.5 to 1, so that the latter province would seem to employ an undue proportion of surface labour. Nevertheless, the weights raised in Great Britain per man employed below ground and per man employed above and below ground are returned respectively at 342 and 277 tons; so that, even on the latter figure, Nova Scotia shows a result 25 per cent. higher than we can do on this side. This fact shows, in the first place, that the work of coal mining must be conducted scientifically and economically by the "Blue-noses," but it, no doubt, also shows the advantage presented by thick seams and young coal fields over a country like ours, where most of the best seams have been largely worked out, and where many of the coal fields are within measurable distance of exhaustion. There is no reason, unfortunately, to doubt that the latter is really our case in this country, and the sooner all engaged in the coal trade, owners, masters, and mm alike, realise the unpleasant truth and set themselves resolutely to face the rapidly-altering conditions of British coal mining, the better for all concerned.

Turning to another element of comparison-namely, that of the immunity of the workers from accident, we find that this subject receives but scant attention in the Nova Scotian report, no summaries or totals being given, and the subject treated altogether in a most perfunctory manner. As far as we can gather, the accidents in the past year appear to have numbered 46, out of which 11 were fatal. Assuming that these figures correctly represent the actual casualities, we may disregard the non fatal accidents as being useless for the purposes of comparison. Unfortunately, no two countries have yet formulated the same definition of what constitutes an accident that ought to be reported, so that comparisons, on bases often widely divergent, are obviously impossible. Looking, therefore, at the fatal accidents alone, we note that these amount to 1.898 for every thousand people employed above and below ground, and to 5.25 for every million tons of coal raised. These numbers as fairly comparable with those of this country, which were spectively 1.597 and 5.776 in 1894. It is thus seen that the death rate is slightly higher in proportion to each worker, but, owing to the greater producing capacity of the latter in Nors Scotia, is slightly lower when calculated on a tonnage bank This may, therefore, be looked upon as showing a state of affairs about on a par with matters here, and speaks well again for the way in which coal mining is conducted in Nova Scotia; especially having regard to the additional danger incurred in working thick seams, and to the apparent laxity of the coal mining regulations as compared with this country.

The second important item on the list of Nova Section mineral products is gold. We may estimate the value of the coal raised at about £90,000, whilst we see from our report that the gold output was 22,113 ounces, or (say) rather us £30,000 in value. This shows a marked improvement on the previous year, when the output was 19,930 ounces. It seems that the total number of gold mines making returns is 37, and that there are 27 mills reported in the provinces, although there is no statement as to the number of heads of stamps in operation, a useful figure which we should like to see it in future reports. The total number of tons crushed it set down at 58,082 for the year, so that each mill would only have averaged 2150 tons per annum. Now, each stamp head it well run mill will crush considerably over 1000 tons of quart in the year, so that however small the mills in Nova Socia

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had one, and shows that they cannot have been working anything like full time. On the other hand, the yield of the quartz comes out at 7 dwts. 15 grains of gold to the ton, a very isir return indeed, when it is remembered that gold milling in this province is still conducted on somewhat primitive lines, and that modern plant for the treatment of tailings and entrates is conspicuously wanting. At the same time, most of the Nova Scotian quartz carries a high percentage of mixed sulphurets that are often very rich in gold, although the gold itself is at the same time coarse and free. The employment of concentrators is therefore indicated, but as a rule the individual mines work on so small a scale that they cannot very well afford an expensive mill equipment. Nova Scotia should therefore present some excellent opportunities for capitalists desirous of engaging in gold mining.

Of other mineral products there is not much to say, the fol-

lowing being the most important:-

79.636 tons. Iron ore .. Gypsum Limestone 133,300 30,176 110 Manganese

The whole of the iron ore raised seems to have been smelted at the three iron works now in existence in Nova Scotia, the production being 29,090 tons of pig iron, making the yield of the iron ore 36 per cent. As most of the ores of Nova Scotia are rich brown and red hematites, averaging quite 45 per cent. of metallic iron, it must be presumed either that all the ore mined was not smelted or else that such low grade ores as ankerite, which are valuable rather for their fluxing properties than for their content of iron, have been included in the iron ore

It seems curious that a country so well endowed by Nature with a splendid coal supply, rich deposits of iron ores, and a grand seaboard should, not be able to take a more prominent place amongst the world's iron-producers than Nova Scotia has done hitherto, and we cannot but think that its backwardness is due more to the want of apathy and enterprise in its inhabitants than it is to any intrinsic and less easily removable

HERR SCHMEISSER'S REPORT.

T last an anxious and expectant public have been relieved. but the relief, after all, is but a partial and not a complete one. During the Easter holidays the report of Herr SCHMEISSER on the Gold Fields of Western Australia has been published, but, unfortunately, after a perusal of it. me are, as the well-worn phrase has it, "No forrader." When it was known that this eminent expert was employed by the London and Western Australian Investment Company to make an examination of the colony's gold fields, and report upon them, we thought we should know then, once and for all, what to expect; what was the probable future awaiting the gold fields; and what investments we could make without qualms and risks. But we have been disappointed. The report does not pretend to realise all these anticipations, and the future of the colony is as uncertain as it was before eren Herr SCHMEISSER started upon his mission. But this gentleman is not in the least to blame. The fact is, it is impossible to form any reliable opinion upon so difficult a subject. No expert in the world could pretend to solve the problem, and only those who have no reputation to lose, and who have certain axes to grind, would attempt it. The gold field is in its infancy. It is but a little child, and what philosopher or student of human nature would dare to predict, from a mere contemplation of an infant's countenance and prattle, his probable destiny; or foresee the circumstances ying in wait to mould its character for good or for No; the child must develop into a youth, when habits have been formed, and its character roughly fashioned, and even then prediction would be bold and hazardous. The analogy holds good with the newly-born mining industry of Western Australia. It is still in its infancy; merely prattling; though now and then it has somewhat astonished us by gleams of remarkable precocity. But these are not to be taken seriously; but merely as abnormal and flashing symptoms of child life. Attention must be bestowed seriously only upon the normal derelopment, and as this is but little advanced, and is only in a rough and shapeless condition, it is not prophetic of its ultimate shioning and destiny. That is the chief reason why Herr SCHMEISSER will not risk a conclusive answer to the questions which izrestors are so eagerly asking. The fields are not yet sufficiently developed to allow him or any one else to give a definite proement. He wisely observes :- "In a year or two's time, after more extensive developments have taken place, a far better opportunity will be given for forming an opinion on this all-important question. With regard, however, to some of the quartz reefs, it has already been observed that even at the Present shallow depths the pinching of the vein does occur. With respect also to the lenticular veins, it is problematical whether they will reach great depths. On the other hand, ervations and mining operations would indicate that where the veins are of considerable extent and thickness, they convins or lode formations, a permanence in depth is possible. Nothing certain, however, can be stated in this respect." ha careful and guarded utterance, and cannot in the future be brought up against him should the fields turn out ill or bad, He is neither optimistic nor pessimistic. Nevertheless, he dose not condemn the colony, as not a few quite antici-He tells us there is plenty of gold there, a het which has long been conclusively established. But it only exists on the surface, then that would amount almost to a condemnation of the field. The vital elop, and patiently wait until we are in a better condition

is a valuable one, if only for its weighty utterances on the value of the mines, and its sound advice to investors. Herr SCHMEISSER solemnly warns the public against the unscrupulous expert and company promoter. To give such advice is always delicate, for the average investor does not like to be preached at, even though it is done with the most friendly intentions, for he flatters himself that he can safely rely upon his own judgment and caution. But coming from so great an expert, the investor ought to be grateful for the warnings given, for he cannot be expected to know the devices resorted to out in a far-off colony to waylay and ruin him. Herr Schmeissen has seen all these things, and he hastens to give the public the benefit of his experiences. He says : - "The Australian prospector is well acquainted with the fact that the surprisingly rich pockets frequently found at or near the outcrops of the reefs quickly disappear as depth is attained. He, therefore, tries to sell his find with as little loss of time as possible. The report of the mining expert necessary for this is, of course, a most brilliant one, if the so-called expert does not insist first of all on deeper trial shafts and developments in order to examine the deposits more carefully. Experts of very doubtful capacity and character undoubtedly exist in these gold fields. Members of all trades, formerly sailors, officers, physicians, chemists, merchants, book-keepers, become mining experts with a surprising rapidity, from the moment they breathe the air of the gold fields and get a sight of the shining yellow metal in its natural state. The most extraordinary things take place. Such an expert reported on a deposit solely on the basis of samples found and submitted to him. It will not be difficult to mention similar occurrences as illustrative of the knowledge and conscientiousness of some mining engineers. In consequence of judging the whole deposit to be equal to the rich outcrops, many totally exaggerated opinions about the value of many mines got into existence. The extraordinary demand on the part of European mining companies endeavouring to obtain Australian gold deposits for formation into companies at any price contributed to the extraordinary rise in the price of the propert'es. The Australian buyers frequently added to the original purchase price a quite unjustifiable premium. The European company promoters thought they could not float rich deposits at prices high enough. In some of the larger mining fields ground was hastily taken up, which had not even been seriously prospected, with a view of forming subsidiary companies with as high a capital as possible. In this way mining properties have been floated with considerable capital, which could only produce dividends by being worked on a small scale, and in the most economical manner. The unheard-of high capitalisation excludes, of course, in most cases, the payment of dividends, and if these dividends, so eagerly expected by the shareholders, are not forthcoming, a breakdown sooner or later of the over-capitalised mine is inevitable." then goes on to describe the tricks resorted to to rig the shares on the market. "In the interests of Stock Exchange speculation, the ore in certain mines is declared to get poorer at times, strikes break out, water floods the mine, or the reverse happens; false news of the discovery of exceedingly rich ore or veins is spread abroad, or, to maintain high prices in the Exchange, only the richer portions of the deposits are worked. Stock Exchange gambling only too frequently hinders in a most regrettable manner the economic working of the mines." There is no exaggeration here. It is a statement of pure, unvarnished, and most deplorable fact. Even in this Herr Schmeisser does not not teach us anything new. Nevertheless, it is well to be reminded of these things, unpleasant though they be, for, if it has no other effect, it may hasten forward the remedy.

THE ROBINSON COMPANY.

Y this week's mail we have received particulars of the annual general meeting of the Robinson Gold Mining Company, which was recently held in Johannesturg. It is a pity that it could not have taken place at a more pacific time, and when the future was not so beclouded as it unfortunately is, for then the brilliant results achieved by the company, and its magnificent prospects, would have excited more attention and created more general anthusiasm. In considering the present position of this company, its past career, and its probable future, one is lost in admiration. One might exhaust all the eulogistic adjectives in the English language, and yet fail to give adequate utterance to one's feelings. One of our South African contemporaries endeavours to rise to this height, in the following eloquent phrase :- " If there is one mine on the Rand with a past, a present, and a future unimpeachable solidity, if there is an auriferous Atlas on the Rand capable of bearing lightly the whole weight of mining speculation, and of carrying the district through a cycle of seasons of depressions, it is the Robinson Mine." This is exceptional tribute, but it is paid to a wonderful and exceptional mine, and it is not, therefore, undeserved. The meeting in question was attended by a majority of the French shareholders, which is a significant fact, and should not be lightly no so to a great depth. It may, therefore, be hoped that regarded by English shareholders; whilst a far greater number for such veins, amongst which may be catalogued the composite of the same nationality were represented by proxies. This confirms the now well-known fact that Frenchmen have been purchasing these shares in considerable quantities, thus displaying more foresight and judgment than the average English investor.

Coming to the year's achievements, the profit has again shown an increase over the preceding year. It amounted to close upon £374,745. The balance standing to the credit of profit and loss at the end of 1894 was £331,580 6s, 6d., which, added to the above net profit, makes a total of £706,324 19s. 6d. Out of this sum dividends of 6s. and 8s. (Nos. 10 and 11) have been declared, absorbing respectively £165,000 and £220,000, and deeply interesting question is: Does it exist at great leaving the balance of £321,324 19s. 6d., to be carried forward apth ! Herr Schmisser cannot answer us; so we must still It will thus be seen that the dividends amounted to a little more than the net profit, but the directors considered this was justified in auticipation of a satisfactory year's run with the

But, in spite of its shortcomings in this respect, the report a valuable one, if only for its weighty utterances on the from the treatment of tailings and concentrates through extra tonnage crushed, as well as an additional source of revenue becoming available from the working of slimes. It is quite possible, however, that the results of the current year will not come up to anticipations, owing to the difficulties and obstacles which most of the Rand mines have been experiencing of late. We mean the labour difficulty. The Robinson Mine has not been exempted from this unfortunate drawback. It has caused, and is still causing, the directors grave anxiety. They have attempted to cope with it by sending emissaries to the distant districts, but these efforts have met with little or no success. The board, however, are in hopes that the new native pass law, which is shortly to be put into execution, will have beneficial results-a hope which will be shared by every one interested in the welfare of the South African mining industry. With respect to the immediate future, Captain Mein is sanguine that the profit will reach £38,000 a month, and when it is remembered that the net profit last year was £31,000, which enabled a dividend of 14 per cent. to be paid, it will readily be calculated what dividends might be expected as a result of the current year's operations. The other figures of the year's work are interesting. During the 12 month 140,655 tons of ore were mined and milled, the proportions of the various reefs taken being 36.92 per cent. of main reef; 30.86 of main reef leader, and 32.22 per cent. of south reef. From this was obtained in the battery 120,113 ounces of bullion, which realised £431,666, and 3695 tons of concentrates were saved, yielding 14,938 ounces of fine gold, worth £61,723. The total mill extraction was thus 135,051 ounces, worth £493,389, an average of 19 dwts. 4 grains, or £3 10s. 2d. per ton. By the cyanide process 75,825 tons of tailings were manipulated. yielding 22,157 ounces of bullion, of a value of £72,553, or an average of 3 dwts. 3 grains bullion, or 10s. 4d. per ton. The value of the total production from mill, cyanide, and concentrates was £565,943, or £4 0s. 5d. per ton, the entire working costs, including mine development and depreciation, were £210,166, or 29s. 10d. per ton, and the net profit derived from working the ore from the Robinson Mine only, amounted to £355,777, or £2 10s. 7d. per ton. Other profits were £13,111 from treatment of purchased concentrates, £3648 from general revenue, and £2209 from interest on deposits.

Speaking of the working costs, the directors have been sucessful in further reducing them, a significant fact which must be taken into consideration when estimating the prospects of the company. In 1894, the costs of mining and milling were £1 1s. 8d., whilst last year this was brought down to 19s. 1d., showing a reduction of no less than 2s. 7d. Brilliant as the achievements have been, and excellent the yield, still the latter has shown a slight falling off in all departments, but this is only temporary, due to the poorer rock manipulated, in addition to which, owing to the shortness of native labour towards the close of the year, machine drills had to be used in stoping; whereby larger quantities of waste rock were of necessity mixed with the ore sent to the mill. During the year the development of the mine has considerably alvanced. From the report of the manager it appears that there are 388,452 tons of reserves in sight, exclusive of the main reef. But, apart from all these results and prospects, what is of greater interest to the shareholders is the probable life of the Of course, it is impossible to estimate this with any certainty. One can only calculate approximately. The general manager computes that there are 112.263 claims on the south reef still unworked, and 122 227 claims on the main reef leader. On the basis of the reef yielded by the claims already worked out, and making a liberal allowance for the reefs flattening, and assuming also that the reefs can be milled in the same proportions as during 1895, there would then be at least 3,700,000 tons to crush, which with 120 stamps would occupy 19 years, and upon the present basis of cost and yield would give an aggregate profit of about £9,000,000. There is every likelihood, however, that this profit will be largely augmented chiefly owing to the decrease in the working costs and the increase and profit through slimes treatment; whilst the life of the mine is likely to be extended by the manipulation of larger quantities of main reef rendered possible by the reductions in the working costs.

NOTES COMMENTS. AND

SOUTH AFRICA may certainly be described at the present moment as the land of misfortunes. It veritably is the dark continent, even where the highest civilisation exists. It is dark inasmuch as we look in vain for gleams of light and hope. Our vision is too feeble to penetrate the gloom which is now overshadowing it, and consequently we cannot foresee whether new misfortunes are being hatched, or whether the darkness will eventually disperse itself and leave all bright with hope and promise. Day after day something happens to cause us grave anxiety, and to fill us with despondency. A gleam of light may now and then reveal itself, but it quickly vanishes, like a terror-stricken interloper, and the darkness seems only the denser by reason of our disappointment. The latest misfortune is the aunouncement of the illness of Mr. Cecil Rhodes, at the very time when his presence and guidance are so sadly needed. Ready to exaggerate any ill news, the bears have already seized the opportunity to cause a scare by the circulation of all kinds of depressing rumours. They even went so far as to announce the death of Mr. Rhodes. But, naturally, it was not generally believed in, though, at the moment, the rumour caused much alarm. It is to be hoped that no such fatality will occur. At the present moment it would be a great calamity, and bring about the gravest consequences. Very few particulars of his illness have been made public, but what is known goes to show that it is of a serious nature. Though his death would be hailed with satisfaction by Boers and Germans

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ONE of the features of the Mining Market during the week has been the continued activity displayed in Indian shares. The public seem fully alive now to the fact that in the Colar gold fields there is a region of great promise, and that the shares of the leading companies operating there are worth purchasing and holding, if only for the dividends which are rospective. In our comments a week or two ago on the Mysore and Nundydroog Mines, we drew attention to the improvements which took place during the past year, and which are prophetic of what may assuredly be anticipated in the future. Now that the returns for the first quarter of the present year are to hand, we are enabled to see whether the improvement is kept up, and to make a comparison with the figures for the corresponding period of last year. As a matter of fact, the outputs of all the mines show most marked improvements, and, of course, still further rogress may be expected as soon as the additional stamps, at progress may be expected as soon as the additional both the Champion Reef and Nundydroog Mines, get fully to work. Taking the Mysore first; for the first quarter of 1895 the output was 15,579 ounces, whereas for the three months of the current year it has jumped up to 25,428 ounces, an increase of 9849 ounces. But from this increase must be deducted the 7000 ounces which the manager put aside. Therefore, the legitimate increase is only some 2800 ounces. Increases of over 2000 ounces are shown in the outputs from the Champion Reef and Ooregum Mines, whilst the Nundydroog comes a little short of 1000 ounces. Unfortunately the grade of the ore at the Champion Reef and Ooregum still shows a decline, whereas from the Mysore and Nundydroog the improvement is main-

In one of our leading articles we deal with the report, recently published, which the eminent expert, Herr Schmeisser, has written on the gold fields of Western Australia. This report was published at some length in the Times of last Saturday, but it has not been generally communicated to the Press, and, therefore, all other papers have to depend upon the extracts given by our contemporary. Many expressions of opinion upon the mining industry of the colony have been given by experts, minert and otherwise, all of which tend in a similar directionviz., that there is a brilliant future awaiting the colony. But the majority of these experts have not been unprejudiced in their opinions, and they have been formed and published with a view to help forward some scheme of their own. Therefore the public hailed with pleasure the announcement that Hear Schmeisser would, on behalf of a leading company, make a thorough examination of the fields, and give his opinion on them, without bias and without favour. We thought, then, of course, we should have an opinion upon which we could rely. Not only would it be the judgment of one of great skill, but one n which the utmost confidence could be placed. But we have shown that the report of Herr Schmeisser does not come up to anticipations, and that he leaves unsolved the problem which we are so anxious to have wolved. The latest opinion of one who knows what a gold mine is, is that of Mr. Pritchard Morgan, M.P., who has been on a tour of the Coolgardie gold mines, and who has just returned to England. On his arrival at Plymouth he was immediately interviewed by representatives of the Press, and he gave his opinion that the country had a very bright future.

THE chief difficulties in the way of profitable mining were the want of water and the heavy cost, and the highly inconvenient mode of transit. But these difficulties are not insuperable, and will be overcome in time. He believes that the resources of some of the mines will astonish the world, and pointed out that the opening of the railway to Coolgardie would be of immense importance, and would materially assist in the future development of that district, the reefs of which are of a very auriferous character. Naturally Mr. Morgan did not go to Australia for the mere purpose of seeing with his own eyes, and undertaking a little pleasure He went there for the purpose of picking up some good things if they offered themselves. Therefore, he has purchased one mine, and he is negotiating with others for himself and friends. To an interviewer he confided the information that he had made a very satisfactory deal by entering into a contract with the Government of South Australia, whereby he obtained a concession of 5000 square miles for mining purposes. This, by-the-bye, is the greatest concession granted in any colony for such purposes The superintendent engineer of the Great Boulder Mine has also arrived in England for the purpose of attending the annual meeting of the company shortly to be held. He, too, was interviewed, and gave it as his decided conviction that the prospects were very bright, and that everything pointed to a successful future for the colony. Of course, the gold fields have not yet emerged from their infancy, but the country is rapidly developing, and when thoroughly opened up will, in his opinion, be one of the finest gold fields in the world.

THE result of the first year's operations of the Transvaal Gold Fields (Limited) has been very gratifying, and conseemently the shareholders, at the meeting on Thursday, were highly pleased with the report placed before them; in fact the only discordant note heard, if indeed it can be described as such, was that, compared with the amount of profit earned, the sum to be distributed amongst the proprietors for the purpose export of coal in the United Kingdom to prepare themselves of paying a dividend at the rate of 40 per cent, was a very small one. But as Mr. FitzWygram wisely pointed out, the directors, considering it would be better to orr on the side of caution if at all, had decided to recommend not only the the past year, managers working off their old stocks so as to be

it would cause universal grief amongst Englishmen, who satisfactory to know that any extra expense, attended most probably with no increase in the profits, will not materially affect the income of one particular year. Virtually, the profit earned by the company under review during the past year was equal to 125 per cent. of the capital. All of the properties in which an interest is held are estimated at a high value, whilst the most promising assets for future profits was considered to be the Transvaal and Delagoa Bay Investment Company. No doubt, in the near future, all the traffic to and from the South African Republic and the adjoining countries, will be via Delagoa Bay, which is over 100 miles nearer to Johannesburg than Durban, and nearly 700 miles nearer than Cape Town. The observations of Mr. FitzWygram in regard to the disturbances in the Transvaal, are very consoling. His opinion is that the storm will ultimately lead to the establishment of South African affairs, and especially of the mining industry, on a more sound and equitable basis. We can only earnestly hope his prediction will be fulfilled, notwithstanding the many unpleasant rumours which have been set affoat, from time to time, concerning this harassing question.

> In November last we had occasion to draw the attention of our readers to a circular which the directors of the Waratah Gold Mines (Limited) then issued to their shareholders, and which contained information of a most hopeful character. went conclusively to show that the mine was a promising one, that it was being vigorously developed, and that the quality of the ore improved as they went down in depth. During the week another circular has been issued, which we produce elsewhere. This circular more than confirms the promises held out in the former ove, and should go far to assure the shareholders that they may rest pretty confident that the future of the mine looms brightly. As in the former circular, the present one contains a résumé of the operations up to date, in the form of cablegrams and extracts from the managers' reports. In several cases the assays have reached a very high figure, much too high, of course, to be permanently maintained, but sufficient to prove that the quality of the ore is high grade. In this circular the directors reprint an extract from the Croydon Mining News, which quotes a statement from the Warden, F. P. Parkinson, Esq., in his annual report for the Minister of Mines for 1895. This gentleman says that "The Waratah Mine has been doing excellent work since the beginning of the year. About 200 tons of excellent looking stone are now at grass. I saw some stone that had been struck a few days ago at a depth of 424 feet on the underlie, and it was the best I have seen from the mine." Such independent testimony as this, coming from so high a quarter, is of great value, and is further confirmatory of the richness of the mine.

> SATISFACTORY from many standpoints as are the Board of Trade Returns for March, it is in their hopeful bearing upon the metal trades that they are principally remarkable. improvement in textiles, which down to the very end of last year was a notable feature in the monthly returns, has now received something like a check, and the palm now lies with the metallurgical products, which are undoubtedly receiving in full force the benefits of keener trade influences. It is cortainly a matter of regret that the Midlands are not so largely affected by the current revival as might have been hoped, but industries in question have been long enough under a cloud to heighten the appreciation aroused by even a trifling improvement, and the ironmasters and steelmasters are likely to be duly thankful for the increase of £340.745, or 22 per cent., in the exports of these two metals. As was shown to be the case in the last returns, the increase for March was largely due to an exceptionally heavy consignment of rails to the East, and to a considerably augmented demand for galvanised sheets in Australia, South Africa, Argentina, and India. Comparing broadly, however, the whole of the exports in metallurgical branches, the improvement in iron and steel is compensated by an unfortunate shrinkage in the tin plates exported to the United States, which, however, is again neutralised by larger consignments of pig iron to America, Germany, Holland, and Belgium. Hardware, implements and tools, similarly exhibit improvements which can wholly be described as satisfactory. In their general bearing, then, upon the metallurgical trades, the Board of Trade Returns are broadly satisfactory, and if they may be taken as a reliable index of current industrial tendencies, they are of a particularly hopeful character.

SIGNIFICANT information with regard to the prospects during the remainder of the current year of the trade in British coal with France, and also with respect to the effect of strikes upon our coal trade with the Continent, is to be found in two reports which have just been issued-namely, that of Consul-General Bernal, in his report on trade in the Havre district during the past year, and in the report of Her Majesty's Consul at Bordeaux. The first-named official points to the probability of a decrease the imports of British coal to the western ports of France in consequence of the new tariff of rates of transport of coal over the Northern and Western railroads. It is calculated that the ports of Rouen, Dieppe, Honfleur, Trouville, Caen, and Havre will be affected to the amount of 400,000 tons, but the Consul expresses doubts whether Havre will suffer to any very great extent. He cannot learn that the new tariff has as yet produced any effects in Havre, but he warns all who are interested in the production and for an increasingly severe competition in the western ports of France. At Caen, the new tariff has caused a decrease of 11,000 tons in the imports of coal from the United Kingdom during carrying forward of one-half of the profit, but also the commencement of the profit by the new rates which come into operation at unchanged at 1, and Austral Austral

WITH respect to the result of strikes the Bordeaux Commit points out that the absence of any very prolonged or serious strikes in the United Kingdom in 1895, and the maintenance of prices consequently at a sufficiently low figure for attract ing particularly the smaller consumers, had a farour, able effect upon the import trade of that port in British coal. He goes on to remark that so long as strikes in the coal industry at home, and the consequent sudden rise in prices can be avoided, there is, in spite of the increasing demand for French coal in that port, every probability of the trade in British coal with Bordeaux continuing to prosper and increase. But wherever French coal can be used economically (by private consumers), the slightest interruption of the supply, or in the regular prices of British produce, such as is caused by strikes at home, at once brings the French product to the front. It must be remembered that the French mines are now better fitted than formerly for producing larger quantities and for continuing their arrangements for greater output if required, and also that there are several districts in France which now produce really good coal, so that altogether it is becoming more and more difficult to change a purchaser's opinion who may for one reason or another have taken to the use of French coal of good quality. The total importations of British coal to Bordeaux in 1895 amounted 458,444 tons, as against 417,430 tons in the previous year, an increase of 41,014 tons. Of these importations the French Railway companies of Bordeaux took last year 70,000 tons, whilst in 1894 they had only taken 17,000 tons, The remainder was, as usual, imported for household or industrial use. Only private custom can now be taken into account by those who supply British coal for use in France, as the various Government works are obliged to use French coal, whatever may be the difference in their prices.

THE MINING MARKET.

Holiday Markets.—Kaffirs well maintained,—Indians and Westralians firm, and others neglected.

T is only in accordance with general anticipation that the business in Mining Shares this week has been characteristic of holiday markets. The cheerful Spring weather which in with Easter has tempted many members of the Stock Exchange to prolong their vacation, and as the next few days will be occupied with the Settlement of a nominnineteen days account there has been little inducement the public to make a fresh start in speculation. In e of an obvious lack spite of an obvious lack of support, however, the markets have emerged satisfactorily from a trying period. The fact that fluctuations have been on so small a scale, and that the proponderance of movements has been in the upward direction, must be taken as an indica-tion of the inherently healthy state of the market. The open account is of such small dimensions as to be practically proof against speculative alarm. Holders have schooled themselves into the belief that they have seen the worst of their troubles, and although their hopefulness has assumed no very practical form, signs are not wanting that advancing prices

will before long reward their patience.

The Kaffir Market opened with a rather better tone after the holidays, but as the professionals had no fresh news to go upon, and the public was conspicuous by its absence, ss soon came to a standstill, though in the Street there light increase of activity. West Aurtralians were firm, business soon came to a standstill, though in the Street there was a slight increase of activity. West Aurtralians were firm, though there was not very much going on. Indians and New Zealand shares displayed strength, but otherwise the Miscelaneous Market was dull. On Wednesday South Africans ethibited a distinctly better tone, buying orders being reported from the Cape. The crushing returns published from hour to hour indicated a return to normal conditions at the mines, and it became more evident that the bears had been doing their but to exaggrate the action of the labour trouble on the Rand. exaggerate the extent of the labour trouble on West Australians were strong, especially those shares connected with the Hannan's district. Indians further advanced and New Zealand shares were again a good market, but there was next to nothing doing anywhere else. On Thursday a crop of alarmist statements had a depressing influence upon South Africans, but the artest of the ground statements and the ground statements are not received. of the general decline was not serious. Westralians were less animated, and in several cases reaction was shown. and New Zealand shares were also off, and Broken Hills were flat. To-day things have been very quiet, transactions being almost confined to closing operations in anticipation of the carry-over to-morrow. South Africans.

During the week there have been rlenty of conflicting rumours calculated to affect the Kaffir Market. On Tuesday, for instance, the bears wanted to have it believed that the for instance, the bears wanted to have it believed that the British Government contemplated concoding complete independence to the Boers. This was not taken sufficiently seriously to affect prices. On Wednesday came the news of Matabele defeats, accompanied by an improvement in Chartered. On Thursday the report of Mr. Rhodes' illness was amplified into his sudden death, which will be a sufficient for the time to sufficient down a Today there's sufficed for the time to put Chartered down 1. To-day there is the confession of the De Beers' manager implicating the Chartered Company in the smuggling of ammunition into the Transvaal, together with the formal committal of the Reform Committee to take their trial for high treason. With such divergent influences to contend with, the market can hardly be regarded as tempting for the uninstructed speculator, and is more remarkable. The extreme fluctuations in Chartered have been within $4\frac{1}{1^2}$ and $4\frac{1}{2}$, the closing at $4\frac{1}{1^2}$, showing no alteration from the date of our last comparison, the Wednesday before Essist. Coldfields have rallied $\frac{1}{2}$ to $12\frac{1}{1^2}$, in anticipation of the divided declaration provision at the research received.

Goidfields have rallied \(\frac{1}{2} \) to $12 \frac{1}{17} \), in anticipation of the divided declaration promised at the recent meeting. Goldfields beging have been bought, and show a gain of \(\frac{1}{2} \) at 9\(\frac{1}{2} \), whilst Gold Trusts are \(\frac{1}{2} \) better at 8\(\frac{1}{2} \). The Rhodesian Land group \(\frac{1}{2} \) higher where changes are shown at all. Mashonaland \(\frac{1}{2} \) have improved \(\frac{1}{2} \), Willoughby Consols \(\frac{1}{2} \) to 2\(\frac{1}{2} \), Willoughby Consols \(\frac{1}{2} \) to 2\(\frac{1}{2} \), and Messibitives are the turn better at \(\frac{1}{2} \). Oceans and Bashuanaland both at \(\frac{1}{2} \), Rhodesia Exploring at 6\(\frac{1}{2} \), and Pardy's at \(\frac{1}{2} \), and loss all on last week's marks. Paris buying has put African the unchanged at \(\frac{1}{2} \), whilst Now African the unchanged at \(\frac{1}{2} \), and Austral Africans at \(\frac{1}{2} \).$

to-day Gains at 13. good, p

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APRIL 11, 1896:

THE MINITALE MINITALE AND THE MINITALE A burg group beyond a gain of 1s. 6d. in Spitzkops at 16s. Diamond shares have been fairly good, De Beers closing ‡ higher at 28, and Jagors ‡ up at 10‡.

West Australians.

West Australians.

Properties in the Hannan's districts have claimed the lion's share of attention this week. Great Boulders have been extensively purchased, and close \(\frac{1}{2} \) higher at \(7\frac{1}{2} \), and gains of \(\frac{1}{2} \) or so are marked in North Boulder at \(7.8 \), and West Boulder at \(1. \) A large business has been done in Golden Cements, which at one time touched \(\frac{1}{2} \) mathematical set of the parent company, the Golden Horsehoes are \(\frac{1}{2} \) better at \(\frac{1}{2} \). Golden Horsehoes are \(\frac{1}{2} \) better at \(\frac{1}{2} \), after a spurt to \(1_1\) on Wednesday. This drew attention to the parent company, the Golden Link, the shares of which have added 50 per cent. to their value at \(\frac{1}{2} \) Associated rallied to \(2\frac{1}{2} \), but have given way again and are finally only the turn better at \(2\frac{1}{2} \), whilst small losses are shown in Brownhills at \(6\frac{1}{2} \). Napier at \(\frac{1}{2} \), Coya at \(1\frac{1}{2} \), Hannan's Star at \(1\frac{1}{2} \), and True Blue at \(1\frac{1}{2} \). A large business has been done in Lady Loch, the pretext being the announcement of the first crushing, which showed 7 ounces to the ton. The amount of quarts put through the mill, however, was only 25 tons, and the shares, which were bought up to \(4\frac{1}{2} \) on Wednesday, have since receded to \(3\frac{1}{2} \). It is stated that some \(160,000 \) tons of ore are ready dumped, from which the sanguine anticipate a return of 5 ounces to the ton. Lake Views have risen \(\frac{1}{2} \), to \(4\frac{1}{2} \). There has been less excitement in the Monzies group, but Reefs are a shade harder at \(1\frac{1}{2} \), whilst Gold Estates have lost \(\frac{1}{2} \) at 1. White Feathers are the turn easier at \(2\frac{1}{2} \), the March return of \(0.75 \) onces from \(2.60 \) tons shows an average of nearly \(2\frac{1}{2} \) quices. Good buying is reported in West Australian Goldfields, which have touched \(8 \), and are bu

Miscellaneous

As indicated in the opening, business in this section has been almost restricted to Indian and New Zealand varieties. The former were very firm in the earlier part of the week and although the best prices are not maintained, gains are still the order of the day. These amount to \(\frac{1}{4} \) in Champion Reef at 7, and Mysore at \(\frac{1}{2} \), to \(\frac{1}{4} \) in Nundydroog at \(2\frac{1}{4} \), and \(\frac{1}{4} \) in Oregum at \(3\frac{1}{4} \). The March crushing retures have provided the immediate incentive to this buoyancy. Waihi at \(6\frac{1}{4} \) and \(\frac{1}{4} \) in Oregum at \(4\frac{1}{4} \), although both \(\frac{1}{4} \) up on balance, are blow the top quotations. Hauraki are unchanged at 16s. 6d. in spite of the magnificent return of 2119 ounces from 380 tons. Broken Hills were flat on Thursday, but have fully recovered to-day, closing \(\frac{1}{4} \) higher at \(2\frac{1}{4} \). British are 6d. better at 17s. 6d. Gains of \(\frac{1}{4} \) are a marked in Wentworth at \(1\frac{1}{4} \), and Aladdin at \(1\frac{1}{4} \). In Copper shares Tintos have been exceptionally good, putting on \(\frac{3}{4} \) at 18\(3\cdot \), whilst Tharsis at \(\frac{3}{4} \), and Libiola at \(\frac{3}{4} \) are \(\frac{1}{4} \) down, and Anaconda has declined \(\frac{1}{4} \) to 6. There is practically nothing to report in other departments.

STOCK EXCHANGE SETTLING DAYS. CONSOLS.
Wednesday, May 6.
MINING MAKING-UP DAYS: Saturday, April 11 | Saturday, April 25

Mining Name Days:

Monday, April 13 | Monday, April 27

Account Days:

Wednesday, April 15 | Wednesday, April 29

The OGREGUM GOLD MINING COMPANY OF INDIA (LIMITED) tare sold the gold obtained in February for £23,088 4a. 7d.

ANSW FIRARGIAL PAPER.—A paper that will shortly make its appearance in London financial circles, is called The Shore-lider, which has avowedly been called into being by the enormous increase which has latterly taken place in the number of similar journals in London. Its purpose is, we understand, to be a sort of financial twice of reviews, and if, according to its present promise, it makes a pithy presentiment of the matter contained in the leading London was also devoted to financial and company matters, business men who have no time to wade through sheet after abest of criticism, implicely, and advice, will owe its originators a debt of gratitude.

The Anglo-Continental Gold Syndicate, L'mited, 22, Austin Fr'ars, London, E.C., is prepared to receive Subscriptions, at par, for the 50,003 shares mentioned below.

The Subscription of the entire issue has been guaranteed. The LIST will OPEN on MONDAY, the 13th April, 1895, and will be CLOSED for TOWN, COUNTRY, and CONTINENTAL SUBSCRIPTIONS on or before WEDNESDAY, the 15th April, 1896, at 12 o'clock noon.

BROWN HILL NORTH (HANNAN'S), LIMITED.

(Incorporated under the Companies A ts, 1862 to 1850) CAPITAL £15 IN 150,96) SHARES OF £1 EACH. £150,000

Of which 50,000 Shares are set aside to provide Working Capital. 50,000 Shares are now offered for Subscription at par, payable as follows: -2s. 6d. per Share on Application.
5s. 6d. per Share on Allotment.

DIRECTORS.

G. H. BROUGHAM GLASIER, E2q., Chairman of the Charing Cross and Strand Electric Supply Corporation, Limited.

SAMUEL GREEN, Esq., Director of the Town Properties of West Australia, Limited, and the Southwark and Vauxhail Water Company.

ARTHUR HALFORD, Esq., 7, Pembridge Square, London, W. ALFRED JONES, Esq., Director of the North Burgess Gold Mining Company, Limited.

HETHERINGTON WHITE, Esq., Director of White, Polner, & Co., Limited: The Vendor Synd/cate has the right to nominate two Directors after allotment. BANKERS.

THE UNION BANK OF LONDON, LIMITED, 2, Princes Street, Mansion Honse, London, E.C.

SOLICITORS. Mesers. ASHURST, MORRIS, CRISP, and CO., 17, Throgmorton Avenue, London, E.C.

AUDITORS. Messrs, FORD, RHODES, and FORD, Chartered Accountants, 81, Cannon

Street, London, E.C.
Messrs, FORD, RHODES, FORD, and CO., Coolgardie, Western Australia.

SECRETARY. F. J. SEARLE, Esq.

OFFICES. SUN COURT, CORNHILL, LONDON E.C.

PROSPECTUS.

This Company is formed to acquire and work two Gold Mining Leases.

Nos. 1012 E and 1003 E, of 24 acres each (together 48 acres), at Hannan's Find,

Western Australia. A plan showing these Leases, the numerous reefs dis
covered thereon, and the four shafts which have been sunk, will be found

herewith.

nerewith,

The property, which is situated within 700 yards of the famous Hannan's
Brown Hill Mine, has been in course of development during the past eight
months by the Brown Hill Mining Syndicate (Limited).

Captain Oats, the well-known Mining Expert, has reported by Cable as
follows:

Captain Oats, the well-known Mining Expert, has reported by Cable as ollows:—

"(Leases) 1012, 1023. There are four shafts on the property. Has been developed to a depth of 100 feet by a vertical shaft: the eastern crosscut 30 (feet), the western crosscut 40 (feet). The width of the lode is 30 feet, An average assay for gold gave 3 ounces 18 dwts. 13 grains per ton of 2440 lbs. The lode looks exceedingly promising. The lode has every appearance of being permanent in depth. 1 can strongly recommend driving. The depth of the underlie shaft is 60 (feet) the width of the lode is 40 feet and gold bearing. Approve of vigorous sinking. Has been developed to a depth of 50 feet by a vertical shaft. At 60 (feet) the lode is inclined west rapidly. The average width is 5 (feet) gold bearing. Has been developed to a depth of 150 feet by a vertical shaft. The western crosscut 50 (feet) through ferruginous quartz and iron. I can strongly recommend driving. Julying from indications, it is my opinion that, on account of the vicinity of splendidly formed lode showing, prospects are undoubtedly good. Surface indications show three other reef formations which I can strongly recommend vigorous prospecting. I consider it a most valuable property. Safe Investment." Captain OATS, in his Report dated 6th February, 1895, copy of which is nacioned, states:—

"The formation of the ore body in this shaft (i.s., Hunt's shaft on lease

prospecting. I consider it a most valuable property. Safe investment." Captain OATS, in his Report dated 5th February, 1895, copy of which is enclosed, states:—

"The formation of the ore body in this shaft (i.e., Hunt's shaft on lease 1012, is fully 30 ft, wide and traverses the whole of the property, and assays taken from this level go 3 ons 16 dats, 13 grs. to the ton. The whole of the formation is gold-bearing, and the appearance of the lode equals anything I have seen on the field. Splendid stratification, giving every evidence of strength and permanent existence of lode."

"I consider these leases a most valuable property and a perfectly safe mining investment, The position of these leases is about 25 chains due north from Brown Hill; and right in the belt of the best part of the auriferous country."

Mr. H. W. TAYLOR, who has had charge of the development work, in his report dated 17th February, 1996, copy of which is enclosed, states:—

"The two leases are Nos. 1012 E. and 1033 E., adjoining each other, and comprise an area of 43 acres. They are situated about 1½ mile in a south-easterly direction from the town of Kaigurii (Hannan's, about 700 yards in a north-easterly direction from Hannan's Brown Hill Mine, and are within the rich auriferous belt of that district.

"The property has a length of about 1,50 ft,, and a breadth of 1,900 ft. It contains eleven known lode formations, all of which have the usual trend of the reefs in particular district—vis., north 25° west.

"The lode matter sunk on and passed through in prospecting these leases is quite similar in character and appearance to that in the neighbouring Boulder and Brown Hill Mines, and I am confident that this property will show equally good results when developed to the same extent.

"After nearly six months' careful examination of the Hannan's district as a whole, and of continuous work on your ground, I am satisfied, in view of the number of gold-bearing lodes traversing the latter, their width, strength, and proved gold-bearing loses trav

waluable initially district.

Mr. GEORGE GRAY, General Manager of the Hannan's Proprietary Developtent Company, writes to Mr. H. W. Taylor, under date 28th February, 1996,
the reference to a supply of water under the water concession owned by

Company.

The originals of Captain Oata' cablegram and report, and Mr. H. W. Taylor's report, and copies of the Memorandum and Articles of Association, can also be seen at the Company's Offices by intending subscribers. Copies of the Reports

seen at the Company's Omces by intending superioses. Copies of the Reports are enclosed.

Applications for Shares must be made on the accompanying form, and forwarded to the Bankers of the Company with the amount of the deposit, if no allotment is made, the deposit will be returned in full, and where the number of shares allotted is less than that applied for, the balance will be applied towards the psyment due on allotment, and any excess returned to the applicant.

Prospectures and Forms of Application for Shares can be obtained from the Bankers and Solicitors, and at the offices of the Syndicate, 22, Austin Friazz, E.O., 1991 of the Company, Sun Court, Comhill, E.C.

Londer, 10th April, 1898.

THE METAL MARKETS.

LONDON METAL MARKET.

THE METAL MARKET, LONDON, APRIL 10,

Copper,

Copper,

HEG.M.B. market opened firm with a rise of 10s. per ton, three months being dealt in at up to £45 17s. 6d., and spot at up to £45 12s.6d., while the transactions for the day (Tuesday) totalled about 1500 tons. On Wednesday 1200 tons were done at £45 7s. 6d. to £45 3s. 9d. s.c., and £45 15s. to £45 10s. three months, whilst Thursday brought a forther relapse to £44 17s. 6d. s.c. and £45 1s. 3d. three months, the fail being principally due to speculative sales emanating from a single source. To-day's market brought a sharp drop to £44 10s., and we closed steady at a shade above the worst—viz. at £44 11s. 3d., £44 12s. 6d. s.c., and £45 15s. £44 16s. 3d. three months. Consumers are busy, but there is very little inclination to buy, the heavy exports from America and the lower prices asked for refined copper acting rather as deterrents.

Tin

Has shown no element of strength this week. Business was very limited on the opening day, and the prices realised were £60 5s. and £60 6s. 3d. s.c. and £60 16s, 3d. three months. On Wednesday and Thursday transactions were more extensive, but rales being rather pressed, values went down to £59 16s. 3d. cash and £60 8s. 9d. three months. To-day brought a further fail to £19 10s. s.c. The close was quiet at £59 12s. 6d. to £60 5s. three months Straits. Billiton opened at 36§ 6. s.c., and closes at 36 fl. with Banca at 36§.

Pig Iron

After a quiet opening the Glasgow market improved in tone, and values rose from 46s, 8\frac{1}{2}d, s.c., Scotch to 46s, 11d. A reaction then ensued, down to 46s, 4\frac{1}{2}d, being taken for spot. The market closed flat at 46s, 5d. sellers of s.c. Scotch, and 46s, 7d, a month, with hematite and Middlesbrough at 48s, 2d, and 38s, 0\frac{1}{2}d, respectively. Lead

is still on the downward track, the flatness having grown more accentuated during the week under review. The close is dull at £11 for soft foreign, and £11 5s. for English.

Spelter. The tendency which prevailed last week still obtains, the market being very firm and stocks small. The final values are £15 10s. to £15 12s. 6d. ordinaries, and £15 12s. 6J. to £15 15s. specials.

Antimony

is quiet, but steady at £30.

Quicksilver

closes at £6 17s. 6d, firsts, and £6 16s. 6d. seconds.

-- 0 0 734 Alloys. Alloys. ### Bars, round, square, flat (per lb,)

hexagon (per lb,)

Tin.

English, ingots, f.o.b.

to the control of the contro Pig, G.M.B., f.o.b., Clyde, spet

"Bootch pig, No. 1 Gartsherrie...
"Coltness Clyde
Govan

Bars, Welsh, f.o.b. Wales ...
Plates
Bars, Staffordshire, at works ...
Sheets
Hoops
Ship plates, Middlesborough
STEEL: English spring t...
"Ralls at works, according to section ...
Spanish or soft foreign Bpanish er soft foreign
English pig, common
L.B.
sheet and bar lead
pipe
red
white
patent shot ment Company, writes to Mr. H. W. Taylor, under date 28th February, 1896, with reference to a supply of water under the water concession owned by "Four Leases are advantageously situated in regard to the proposed reticulation... There will be a very large supply of water available for distribution at a low cost to the Mines in the locality, and you should be able to obtain sufficient for twenty head of stamps."

It is expected that the extension of the Railway to Kaiguril will be open in June next.

In view of the proved richness of the Hannan's district, the development disclosed in the foregoing reports, the moderate capitalisation of the Company, and the working capital provided, the Directors regard the enterprise as likely to prove exceptionally profitable.

The Anglo-Continental Gold Syndicate, Limited, who are the Promoters of the Company, the fixed the amount to be paid by the Company at £22,000 in cash, and 80,000 fully paid-up Shares, and they undertake to pay all expenses incidental to the formation of the Company of the safe in the date of the first general Allotment of Shares, and have guaranteed the line serve for future issue if required.

The following contracts have been entered into, which can be inspected at the Offices of the Company.

2. An agreement dated 28th February, 1296, between the Brownhill Mining Syndicate, Limited, of the one part, and the Anglo-Continental Gold Syndicate, Limited, of the one part, and the Anglo-Continental Gold Syndicate, Limited, of the one part, and the Anglo-Continental Gold Syndicate, Limited, of the one part, and the Anglo-Continental Gold Syndicate, Limited, of the one part, and the Anglo-Continental Gold Syndicate, Limited, of the one part, and the Anglo-Continental Gold Syndicate, Limited, of the one part, and the Anglo-Continental Gold Syndicate, Limited, of the one part, and the Anglo-Continental Gold Syndicate, Limited, of the one part, and the Anglo-Continental Gold Syndicate, Limited, of the one part, and the Anglo-Continental Gold Syndicate, Limited

body. The ground traversed dated from 1837 to 1893, the former introducing and dealing with the railway mania continued and intensified in 1847, 1857 being identified with American over finance as 1866, the date of the failure of Overend, Gurney, and Co, also was 1875, the Collie year was dealt with exhaustively followed by the City of Glasgow Bank finance in 1878, while 1890 yielded auitable matter by reference to Baring Brothers and Co. Australia came under notice in connection with 1893, the year of the bank failures there, and in contrast with these disastrous records the lecturer suitably introduced inventions and other elements of progressive development as compensatory influences.

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Ashedia Andala A

"THE MINING JOURNAL" SHARE LIST.

ABREVIATIONS AND REFERENCES.—Th following are the significations of the abbreviations and references which occur in the Share List:—Ay. Antimony; A. Arsenic; Bi, Blende; Ex, Borax; C. Cupper; D. Diamond; Exufers that the mine is conducted on "Cost Book" principles; I in the "Head Office" column of African Mines, Significan Mines, significant that they are subject to the Limited Liability Law of the Scuth African Republic.

The following is by far the most complete and comprehensive list of mines, in whose shares positions are subjected to the scuth African Republic.

"a" The following is by far the most complete and comprehensive list of mines, in whose shares business is being currently transacted, published. Additions will be made from time to time as occasion requires. Every effort is made understood that, while our Share List will almost invariably be found correct, we do not hold ourselves responsible for any loss or inconvenience that may arise from possible inaccuracies.

			AF	RICAN M	INES			our ourselves responsib	I los any loss or thec	evenience th		-	N MINE				or e desire it to be
Name.	Closing Price. Apr.10,1896	Closing Price Apr. 1, 1896.	Am't. of Share	and	Called up Per Share.	Amount of Stock or No. of Shares	Situation of Mine.	Head Office.	Name.	Closing Price,	Closing Price,	of	When last XD and	Called up Per	Amount of Stock or No. of	of	Harton
Abbott's Con, Reefs Aldier Consolidate African Estates	8/ 7/	1 × 1%	1 °C	=	2 s. d	25°,000	De Kaap	Broad Street Avenue 1, Moorgate place.	Nigel G	Apr. 10, 1896	Apr. 1, 1896. 3% 4% 1% 1%	Share	Pividend.	Share.	Shares [seneg.		96, Gresham He, no
Africana	1 1/4 1 1/4 13/16 15/16	2 23/6 13/6 13/4 9/16 11/16 15/16 15/16	1 0 1 0 1 0	2/& rtsOc.16 95 rts Oct 30 '95 rts May 24 '95		438,600 175,000 1,675,000 40,000		3, Copthall-buildings 23, College Hill, 34, Clement's lane 33, College Hill	,, DeepG	1 2%	134 2	1 0	_	1 0 0	195,000 235,000	Heidelberg —	8, Princes street
Alexandra Estate G Anglo-French Exp. Matabeleland Appanteo G	2 2 3 4 7 3	11/16 413/16 23/6 3	5 0 1 0 1 0	15 % Aug 29 '95	1 0 0 6 0 0 1 0 0 0	225,C00 30,300 39,750 77,685	Rand s. Africa Matabld. West Cost	16, George street 3, Princes street Winchester House.	Nourse Deep Oceans ,, Develpment	111/16 113/16 26 34	1 11/16 113/16 36 36	1 0	2/-Nov. 28 '95	1 0 0	375,000 357,400 50,000	Wtrbg Lyn Heidebrg.	120, Bishopgt, et., WB 13, Austin Friare.
West United. Austral-African	136 136 134 136 1 136	136 136 136 136 1 156	1 0	5% Mar,'93 3/-Dec. 16'95	1 00	65,000 100,000 250,000	Rand	Dashwood House, 8, Old Jewry, I 7, Lothbury Token. Ho,, Opthli Av	Orange F.S.E D Orion (New) G	316 4 176 2	76 1 31/4 41/4 23/14 25/16	1 0	10% Aug., 95	1 0 0	50,000 284,000 30,000	orangeF.S.	10, Moorgate-street.
Balkis Eersteling G ,, Land Bantjes ConsoiG Barnato Bank	2/6 3/ 5/6 8/- 3% 4 1% 1%	2/9 3/3 5/9 6/3 3¾ 03% 1¾ 1½	10/ 10/	1/ Feb, 13, '96 cts Sep 24 '95	0 10 0 0 0 0 1 0 0	520,000 520,000 83,0.0	Tra navas	85, Gracechurch-st. 15, Geo. st., Mn Ho.	Paarl Central G Pardy's Mozambq.	1% 1% 1% 1%	1% 1% xr	10/	rts Mar 12 '96	1 0 0 0 0 0 0	138,750 13,000	Transvaal . S.E. Africa	8, Old Jewry. 120, Bishopsgt st. Wn. Broad St. Avenue.
Barrett	3½6 3½6 11/ 11/6 111/6 113/6	3 31/6 11/3 11/9 111/16 113/16	10/	rta Jy 24 '95	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2,625,000 1,000,000 207,496 400,000	De Kaap Bechuana.	7, Lothbury 17, Basinghall-street 19, St. Swithin's-lane.	Porges Randfontn.	36 %	176 %16	1 0	- 2/ Feb. 13'96	0 17 0	200,000	Swazielnd.	6, Queen-street-place
Ben Frovato Big Golden Quarry Block "B" Lang.	1% 1% 1% 1/6 1/ 15% 13% 23% 23%	136 156 9/16 11/16 1/ 1/5 11/6 15/6	5/-	5 pc Jan 16, 96	0 50	100,000 483,226 535,000	Kaap Rivr Rand	72, Basinghall street 2, Austin Friars. Warnford Court. 8, Princes-st , E.C.1	Potchefstroom G Princess Estate G	3 31/6	3 356	1 0	=	1 0 0	437,503 389,750 125,000	Rand Potchefstm Rand	1, Bank Buildings 19, Bury-st., E.C. 33, Cornhill, E.C.
Bonanza	3% 2% 4% 4 4% 3% 3% 36 % 56 %	2½ 2½ 4½ 4½ 3 3½ 1 1½	1 0	rts Jy 26 '95 16/- Nv. 28 '95	1 0 0 1 0 0 1 0 0	2:0,000 1,999,750 250,000	Turffont'n S. Africa Potchefstr	120, Bishopsgate-st. 15, St. Swithin's-lane 7, Lothbury. 8, Old Jewry	Rand fontein G Rand Mines G Rand-Rhodesia Ex	23/6 23/6 31/6 213/6 283/6 29 15/16 11/16	27/16 29/16 213/16/215/16 28 28% 11/4 11/4	1 0	25 p e Aug. 95	1 0 0 1 0 0 1 0 0 0	115,000 2,000,000 332,798 25,000	Rand R&Rhodesa	8, Princes-street, E.O. 1, Bank Buildings, 120, Bishopagt st. Wall 123,
Cape Asbestos CopperC	25/16 21/16	78 74 3/4 1 25/16 27/16	1 0	2/6 D 16, '95	1 0 0	50,311 300,000	Orange Rv Cape Col.	Warnford Court 19, St. Swithin's-lane 9, Queen-street-place,	Rhodesia Ex & Dv. Robinson(SA)Bank Deep	616 7 636 7 734 736 136 2		1 0	Ξ	1 0 0 1 0 0 1 0 0	50,000 750,000 500,000	Mt & Mach'i M'oR' R'nd	8, Old Jewry. 8, Prince's-street 120, Bishopsgate st.
Cassel Coal	1/3 1/9 2 234	111/16 113/16 1/3 1/9	2 0	2/6 Dec 16, '95 7%pcMar27'96	2 0 0 1 0 0 0 2 6 1 0 0	45,000 75,000 220,000	Johanbrg. De Kaap	99, Cannon-street. Palmerston Bidgs	, Diamond Gold Randftn. Roodepoort Deep	9% 9% 19/10 111/10 3:40 33/10	3 314	5 0 1 0 1 0	8/ Feb 13'98	5 0 G 1 0 0 1 0 0	350,000 550,000 517,000 170,000 130,000	M. Rf. rand Rand	8, Frince's street 28, Austin Friars, E.C 8, Prince's-street. 8, Old Jewry, E.C.
Champ d'Or G Charterland G.F Chimes West Oity and Sub.NwG	13/16 13/16 13/16 13/16 13/1 13/16	2 214	1 0 1 0 1 0	3/2 Feb. 27 '96 	1 0 0 1 0 0 1 0 0 0	116,016 150,000 150,000	Rand	8. Old Jewry, E.C. 19, 8. Swithin's lane Winchester Ho.	Rose Deep Rothery Block	5 5 5 8 8 10/	36 36	1 0	6/ Feb 13 '96	1 00	300,000	M. Ri. rand	Warnford-court,I 30-31, 8.8 with's, lane, 55, Bishopsgate st,
Con. Buitfontein D Con. Deep Levels G Con. G. Fields 8 A.	32/6 33/6 5 5% 12% 12% 25/- 25/6	32/6 33/6 5 5½ 12½ 12¾ 24/ 25/	1 0	9d, Jan. 16 '96 4/- Jy 11 '95 20/ Nov. 14 '95 7 1-5d De30'95	1 0 0	340,000 721,500 187,250 1,250,000 1,243,999	Transvani S. Africa	Gresham Ho. 62, Lombard-st 30, St. Swithin's-lane 8, Old Jewry.	St. Angelo St. Helen's Devel, Salisbury New Sheba	5 5% 236 236 4% 4% 236 3%	436 436	1 0	= 1/- Bep 28 '94	1 0 0 1 0 0 1 0 0	175,000 47,950 98,000 850,000	S. Africa Hand Lydenburg	Winchester House, 13, S. Helen's Piace, 96, Greaham Ho., EC 18, S. Helen's place,
Do. 6 % Pref Do. 5% % Deben Crown DeepG	109 110 1034 1034 1034 1036	SCORE SOMES	5 6	5½ Jan. 2 '96	1 00	250,000	Rand	120, Bishopsgate-st.	Simmer & JackG S.A GoldTrust New South West Rand	9 6 8 81/6 3/6 3/6 15/6 16/6	5 6 7% 8 % %		2/ Aug 14 95 15/ Feb 27 '96	1 0 0 1 0 0 1 0 0	250,000 250,000 158,000	Rand 8. Africa Rand	8, Old Jewry. Winchester Rome.
Deffeers Consol, D			5 0	16/-Jan. 16 '98 5% Jan. 2 '96 5% % Oct. '95	5 0 0	789,791 £3,500000 720,000	Kimberl'y	62, Lombard-etrees.	Spitzkop (New) G StanhopeG Sutherland RG	5/ 6/	5/6 6/6	1 0	2/- Oct 20 '95	1 0 0 1 0 0	99,070 34,000 220,000	Lydenburg Rand Zoutpan'bg	15, Bishopsgt-st, Wt. 96, Gresham Ho., BO Dashwood Ho,
Dornkop		4/6 5/6	1 0 1 0 1 0	3/- Dec, 18 '95	1 0 0 1 0 0 1 0 0	250,000 175,000 £125,000	Doornkop Rand	Warnford Court Winchester Ho, 28, Leadenhall-bldgs	Tati Concessions Trans. Coal Trust , Consolidate , Est. & Dev.	1 156	13/16 115/16 13/4 13/6 13/4 2 13/14 11/16	1 0 1 0 1 0 1 0	rts Jy, 22 '95 1/- Apr. 98	1 0 0	392,000 439,965 485,131 428,600	Rand Transvani	Gresham House; Broad-st, House, E () 120, BishopsgtestWa, 10, New Broad-st, E,0
Eastleigh	11/4 11/4	% 1 % 1/10	1 0	=	1 0 0	240,000 275,000	Klerksdrp Rand	52, Leadenhall Street 8, Old Jewry.	Gen. Assoc. Gold Exp. G Gold Fields Land	536 536	2% 2% 5% 5% 3% 4%	1 0	10/-Mar,11 '98 3/EJan.16 '98	1 0 0 1 0 0 1 0 0	185,000 260,000 135,000	Transvaal . S. A. R Transvaal .	30, S. Swithn's lane, Suffolk House, E.O. 120, Bishopagt-st. Wa 25, Abchurch Lane.
Evelyn	1 156 356 334 136 136	1 11/6 31/6 31/4		10% Jan. '89	1 0 0	570,000 66,000 148,000	S. Africa	170, Winchester-ho. 28, Old Jewry, E.C. 30, 8, Swithin's-in.I	Treasury	3% 5% 1 1% 26 1	1% 1%	1 0	12% % Sep.'94	1 0 0		Transvaal	Warnford Court, 120, Bishopegte 8; 110, Cannou-street,
FermiraG	19% 20 2%	18% 13% 2 2%		2/ Dec. 16, '95 13/ Mar. 12 '96	1 0 0	45,000 480,000	Rand	19 120,Bishopsgt st.Wn] 28, Aus in Friars.	U. Langlaagte(N)G ,, Pioneer ,, Rhodsa.GF	76 1 1% 1% 1% 1 13/16 1 13/16 1 13/16	13/16 13/6 13/6 13/6 1 13/6 13/16 13/16	1 0 1 0	Ξ	1 0 0 1 0 0 0 10 0	146,000 75,000 225,500	Rand De Kaap Rhodesia	85, Gresham Ho. E.C. 16, S. Helen's pl., E.C. 13, George street. EO
Geldenhuis DeepG Geldenhuis Est., G , Main Reef George GochG	614 614 434 434 114 194	0 656 4 456 1 136	1 0	6/- Jy 26 '95 2/ Feb, 13 96	1 0 0	265,000 187,500 150,000	Transvani . Rand	30,8t. Swithin's-lane. 120, Bishopegt st. Wnl Warnford Court, E.C	Van Ryn G , North , West Venterskroon	536 536 36 1 336 356 136 156		1 0	- Jan. 16['96	1 0 0 1 0 0 1 0 0 0	116,091	Rand Rooderand	18, St. Swithin's-in,
Ginsberg New G GlencairnG	27/16 29/16 19/16 111/16 38/26 311/16	236 236 136 136 39/16 311/16	1 0	2/6 Feb. 13 '98	1 0 0	100,000 130,000 200,000	Drietfon . Rand	Johannesburg. Warnford Court, E.O? 2, Drauers-gardeus.	Vesta Village Main Reef Vogelstruis Estate ,, Cons. Deep	636 676 336 334	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0	Ē	1 0 0 1 0 0 1 0 0	130,000 177,000 200,000	Rand	S, Old Jewry Winchester House S, Old Jewry. Winchester House, 16, Geo. St. Mn. Hs.
Gld. Fis. DeepG G.F. of Lydenb'rg G.F. of Mashonia.	9 934 234 3 34 34 5/3 5/9	\$836 856 234 3 36 36 4/9 5/3	1 0	=	1 0 0	200,000	8. Africa Lydenb'rg Mashonld.	8, Old Jewry. 7, Lothbury. 19, St. Swithin's-in.	Wassau	* %		1 0	£1 Feb 13 '96	1 0 0	55,000 207,000	Gold Coast Rand Main Reef	147, Cannon-street 19, Bury-street, If
Gt. Estrn. Colsery Griqualand WD	8% 8%	8% 8%		1/ Jan 16, '96	1 0 0	400,000 376,666 105,700	Grootolei Transvaal .	2, Tokenhouse Bidgs 8, Finch Lane 62, Lombard-street	West Rand	1% 1% 115/16 21/16 5% 5% Er	11/16 113/16	1 0	=	1 0 0	700,000 250,000	Mashonald Rand	Suffolk House, 3, Geo. St., Mass. Ep. 3, Copthall-bidgs, 19, Bury-st., E.C.
Heidelbg, Est, Ex: Henderson's Trans Benry NourseG	13/16 13/16 23/4 23/4 63/4 63/4 5/8 3/4	19/16 15/16 23/16 25/16 5/6 536	1 0	=	1 0 0	250,000 100,000	De Kaap	85, Gracechurch st. Warnford-court.	WolhuterG WorcesterG Zambesia Explora.	775 836 456 456 256 276	7 16 756	1 0	rts Apr 26'94 2/-Mar 12'96	1 0 0	90,727	Rand	Warnford-court.† 8, Old Jewry.I 30-31, Clement's lase
Joe's Reef	3/6 3/4 3/16 3/16	6 1/6 536 11/16 13/16	1 0	_	1 0 0	57,404	Middlevel.	55, Bishopsgate stWn 21, Mineing Lane.		1	- 1	- 1	TISH MI				
Jupilee	37/16 39/16 md	9½ 10 9 9½	1 0	20 % Oct. '95 1236 % Nov. '93 6/ Nov. 28 '95	1 0 0 1 0 0	850,000 21,000 30,000	Rand	7, Lothbury. Johannesburg. 8, Old Jewry.	Basset	134 136	1/ 1/6	4.		£ s. d. 5 19 5	5,353	Cornwal!	Camborne.
JumpersG Deep ElmberieyD Rdpt		3% 3%	1 0	6/- Mar. 27 '86 - 2/ Jan 16, '95	0 10 0	100,000 300,000 98,672	Kimberley	120, Bishopsgt st. Wn] 30, B. Swithin's lane. 19, Finsbury circus.	Carn BreaT Cook's KitchenT Devon Gawton CA , Gt Cons. CA	4/ 5/ 36 % 15/ 20/ 20/ 21/	M 36 M 36 N 1	1 0	2/- May, '81 2/6 Dec., '93 ————————————————————————————————————	92 8 5 35 15 10 0 12 6 2 0 0	8,000 4,900 25,000 10,240	Tavistock Devon	Carn Brea. Camborne. 8, Finsbury circus,
Klerksdorp Knight's Deep KoffyfonteinD	2 2½ 13/9 14/3 2½ 2½ 1 1½	7/16 pm 23/2 25/6 13/3 13/9 25/6 27/6 1 15/6	1 0 10/- 1 0 1 0	=	1 0 0 0 9 0 1 0 0 1 0 0	125,000 400,000 295,194 125,000	Klerksdorp Rand Jacobsdaal	2, Drapers-gardens. 110, Cannon St. 8, Old Jewry 6, Gt. St. Helen's.	Dolcoath7 Drakewalls CTM East Halkyn	14/6 15/6 4/ 5/ /9 1/	15/ 16/ 3/6 4/6 /6 /9 20/ 25/	1 0 1 0 5/	Ē	1 0 0 0 5 0 0 2 0 0 2 6	188,000 25,000 61,856 12,600	Flintshire	Camborne. Dashwood Rouse. 67, Lord St., Liverpl.
Lancaster	118/4 115/16 554 574 234 234 174 256	113/16 113/16 536 534 21/16 23/16	1 0 1 0 1 0	5/ Feb 13 '96 rts, Mar, 6 '95	1 0 0 1 0 0	226,500 470,000 100,000	Laip, Vlei Rand	120, Bishopsgt et. Wn 59, Holborn Viaduct 2, Drapers-gardens.	Great LaxeyL	2¾ 2¾ 1¾ 1¾ 1/6	236 3 136 136 1/6 9 10	4 0	1/6 Sept, '94 5/- Apr., '92 -/6 June '89 8/- Mar. '96	0 9 9 4 0 0 0 19 0	6,400 15,000 10,000	f. of Man Omberind	Douglas, Isle of Man- Newscattle.
Liebon-Berlyn G	6/9 7/3	6/6 7/	1 0	-	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	170,000 883,233	Lydenburg	Suffolk House,	Halkyn L Do.Dis. Mn. Drain Iste of Man L Killifreth T Leadhills L	576 616 6/ 7/ 1 116		5 0	5% Aug. '95 7% % Mar.' 96 1/6 Nov., '94 1/- Oct. 16 '95	10 0 0 5 0 0 6 15 6 8 0 0	10,000 14,000 8,000 20,000	I. of Man	Corn Ex.Cmb, Ohestr. Chester. Truro. 30, Finsbury-circus. 8. Werburgh Ohmbes.
Lon, Paris Pin & M. London & S. A. Ex. Luipaards Viel Est.	19/16 15/16 14 14/6 15/16 11/16	1 136 1336 1436	1 0 10/	4/-Mar. 12 '96 8% Mar, '90	1 0 0	500,000 100,000 319,003	8. Africa	53, Old Broad Street. 19, Finsbury-circus. Warnford-court.]	Lianarmon	par par 4 4%	par par 4 5 1/6	1 0	4/- Nov., '94	1 0 0 0 15 0 11 9 6 0 18 0	21,990 3,790 2,500 48,8(5	Cornwall Sthumbid.	Pensance.
Lydenburg Estate. 1 Ld & Expl 2 M'g, Est.	15/16 11/16 15/16 11/16 34 34 6 5%	136 136 34 1 436 5	1 0 1 0	Ξ	1 0 0 1 0 0	190,000 200,000 300,000	Lydenburg	85, Gracech, Street 120, Bishopegte St.	Rhosemor	34 36 par 1/ 2/ 1/ 2/	M 1/6 par 1/6 2/ 3/6 M		10 p c Sept. 91 3/6 Apr. '93	2 1 5 1 0 0 7 37 6 17 10 6	18,000 1,000 6,123	Fiintshire Cornwall	Corn Ex. Cmb. Chestr. 20, Great St. Helens
Main Reef (New)G Maimani Gold Syn Marie Louise Marievale Nigel	1 11/4 3/6 4/6 27/4 31/4 1 11/4	1 134 15/ 11/ 2% 334 154 136	1 0 2/8 1 8 1 0	=	1 0 0 0 2 6 1 0 0 1 0 0	111,500 200,000 60,000 250,000	Rand Transvasi Rand	15, George St., MnH Throgmorton House, 15, George St., MnH	Halkyn Talacre	par 13/ 15/	par par 36 136	1 0		1 0 0 0 16 0 15 7 8	10,000 20,000 8,000		Pool, Cornwall B. Werburgh Chmber 54, Forgate st., Chrir Carn Brea.
Mashon. Agency Central Matabelel'd G. R'f	27/16 29/16 13/16 11/16	154 134 234 236 13/16 13/16	1 0	=	1 00	100 000 180,000	Maahonald	8, Old Jewry, E.C. 3, Copthall-buildings.	WeardaleL West Frances T	8/9 /6 1/ 2 2%	8/9 1/6 2/6 21/6 23/6	1_0	1/3 Oct. '90	1 10 0 17 1 7 1 2 0	50,000 6,144 6,000	Durham Coruwall	3, Lombard-court, Camborne, 37, Walbrook,
May Con. (New) G Meyer & CharlG	3 3½ 5¾ ±¾	5% 5% 17/2 19/2	1 0	2/- Mar. 12 96 5/ Feb, 13 96	1 00	236,500 75,020 150,000	Rand	4, Lothbury I 1, Crosby Square. I Winchester House.	,, KittyT Wheel AgarTA ,, FriendlyT ,, Grenville T ,, KittyT	4/ 5/ 1/ 1/6 8 8%	5/ 6/ 1/ 1/8 6 6%		2/8 Aug. '88	23 15 2 0 12 9 18 2 0 4 5 6	6,000 10,000 6,000 8,590	17	Redruth. 2. Copthall Sidga LC 7. Union-court, E.C.
Mines Selection Modderfontein G "B" Extensn. Molyneux Consoll.	136 136 36 136 936 10 23/18 23/18 136 136	17/6 19/6 18/6 11/4 95/6 97/6 23/6 23/6 18/16 17/14	1 0		1 00	220,030	Rand	33, Br'd St. Avenue, 13, George Street 28, Austin Frias 120, Bishopsgate st	" Metai &F. T	3/ 4/	3/8 4/	*	- 1	0 3 0	60,000	**	14 Broad-street Av.
MosambiqueG	36 36 136 136	17/10 17/10 17/10 17/10 17/10 19/10	1 0	-/4 May '00	1 0 0	240,000 400,000	S.B. Africa	Gresham House. I 13, Austin Friars.	AlamillosL	13/13/	136 136	L &	OPEAN 1	2 0 0	35,000	9pain	6, Queen-street-pints
Famaqua	136 136	136 236	2 0	2/8 July '81	2 0 0	94,351	Namaquald	24, Leadenhall-bids.	Consett Ore FortunaL	634 634	6¼ 6¾ 1¾ 1¾	1 0 2 0	5/- July 94 1/- Apr 14 '96	1 0 0	55,200 25,000	Spain	19, Grey-st. Wonstie
New African G Chimes G Comet G	376 436 1 ¹³ / ₁₆ 1 ¹⁵ / ₁₆ 3 276 356 136 176 6/0 7/6 876 956	2% 4% 119/16 18/10/20 2% 2%		20/ Dec. 30 '96 1/- Mar. 27 '96	1 0 0 1 0 0 1 0 0	190,000 100,000 175,000	Rand	83, Hatton Garden, 8, Old Jewry, E.C Winchester-house, 120, Rishposert, st. Wn	LinaresL Mason & BarryC	3 334 6 534 6 274 334 8/ 7/	3 3 % 6 5 % 6 2 % 3 % 6 6/ 7/	5 0 5 0 5 0	2/- Sept. 27 95 9/- Apr 14 96 2/ May 23 94	5 0 0 3 0 0 5 0 0 3 0 0	50,400 14,998 185,172 67,809	Portugal	87, Cannon-street, 6-7, Queen-street-si.
Grown	10 10%	10 10%	5 0	7 Peb. 13, '96 5 / Peb. 13, '96 10/ Oct. 16 '98	1 000	255,000 404,344 88,750 100,000	Griqualand Rand Transvasi.	120, Bishopegt.et.Wn 110, Cannon-etreet. 20, Gresham Ho EC 5, Copthall-buildings	Pestarena	1834 19 10134 10234 x	-	20 0 10 0 100 0	10/- Oct.30 '95	20 0 0 10 0 0 100 0 0	14,000 325,000 £3600,000 95,000	Bpain	30, St. Swithin's last
PrimrossG	296 236 4 436 6 636 436 436	396 296 396 496 696 596 396 4		12% pc Mar, '95 rts. Jan, 16, '96 5/ Feb, 13, '96	1 00	82,500 150,000 278,750 160,000	Rand	Winchester House 120, Bishopegt-st, W 2, Draper's-gardens. Warnford-ct., E.O.	Bipanji	534 634	-	2 0 10 0 10 0	4 Z , Dec. 95	2 0 0 10 0 0 10 0 0 10 0 0	625,000 385 5,450 14,050	Spain Germany	Walbrook Ho., E.O.
s Spec BonsG	196 196 196 196 1974 1976		1 0	=	1 0 0	299,137 113,701 125,000	Rand Heldelberg	30-1, St. Swithin's-im 24, N. John-st., L'pl. 19, Bury Street, B.O.	WonifahrtL	=	=	1 0	37 Dec. '94 37 Dec. '94	0 10 0	9 090		17, Victoriada & W

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"THE MINING JOURNAL" SHARE LIST—(Continued)

	AUSTE	ALIAN	A	ID NEW	ZEAI	LAND	MINES		AU	STRALI	AN AN	D N	EW ZEAL	LAND	MIN	ES-(Cont	inuod).
Name.	Closing Price. Apr. 10, 1898	Closing Price, Apr. 1, 1896.	Am't. of Share	When last XD and Dividend.	Called up per Share.	Amount of Stock or No. of Shares Issued.		Read Office	Name	Closing Price, Apr. 10, 1896	Closing Price. Apr. 1, 1896.	Am't. of ibare	When last XD and Dividend	Called up Per Share,	Amount of Stock or No. of Baares Issued.	Situation of Mine-	Head Office
Abbetts2/8pm.pdG Achilles Gid Pid. Aladdins Lamp G	36 36 2/9 3/3 134 196	36 36 2/9 3/- 1% 136	2/6 1 0		£) 15 0 0 2 6 1 0 0	67,000 642,456 100.060	Murch, WA Otago, N.Z o'knN S.W	139, Cannon-street 11, Poultry. 4-6, Throg. Avenue.	W. A. General "Australian G.F. "Mines Dvi "Aust. Mining	3½ 3½ 7½ 8 1½ 2½pm 9/9 10/3±d	356 376 756 776 136 256 pm 9/9 10/3xd		rts Mar 12'96 10/ Oot 30, 95 7%d.Mar.27'98	0 14 0 1 0 0 1 0 0 0 5 0	65,000 40,000 320,000	W. Austral Coolgardie W. Austral	28, St. Swithin's-In, 28-29, 3, Princes Street 257, Winchester Ho.
Anglo-Con. G. Byn Founders	236 236 35 45 1 136 pm	- 15/16 11/10pm	1 0	100 % '95 £4 16/8 2-54'95 5/- Oct 30 '95 5/ Oct. 20 '98	1 0 0 1 0 0 0 10 0	99,000 1,000 40,000 50,000	=	22, Austin Friars. 79, Queen Street.	, Aust. Pioneer.	13/4 17/6 56 3/4 pm 25/6 27/4 pm	156 1% pm 56 % pm 256 256 pm 13/16 15/16	1 0 1 0	rts Oct 19 95 15/ Oct. 30 '95	0 15 0 0 5 C 1 0 0	19,993	11	139, Cannon-street. 28, St. Swithin's In 3, Princes Street.
Brownhill G	11/6 11/2 pm 3/6 7/6 2 25/6 3/9 4/3	213/16 21/16 3/9 4/3	1 0	5/ Oct, 20'95 -/6 Mar, '92	1 0 0	94,007 375.000 10,000	Cool., W.A.	4. Gt. Winchester St. 20. Bucklersbury 6. Queen-st. place	West Boulder White Feather	2% 2%	23/6 25/16	1 0	_	1 0 0	60,000	Coolgardie	
Australian	/3 /9	1/- 1/6	20 0	-/9 Aug. '95 1/- June, '91	7 7 6 1 0 C	218,315 22,708	BarB.Now	42, New Broad-street Winchester House.	Zapopan	4/ 5/	5/ 5/8	1 0	-/4 Dec. 95 2 % Dec. 95	1 0 0	25,000 66,000 12,000	Tasman a	70, Bishopagate-street 1:, Queen Victoria at
Baker's OreekG Bardoc	36 36 36 34 4/9 6/3	% % 4/9 5/3	1 0	1/- May'95 -/4 Dec. 94	1 0 0 1 0 0 1 0 0	503,000 165,000 480,000 150,000	H'gveNSW W. Australi Coolgardie	Hillgrove, N.S. Wale. 11. Threadneedle et. F. b'y. H. Bi'mi'ld St.	- "			1	AMERICA	-	1	"	"
Bardoc	4/9 6/3 36 34 36 56 11/6 19/6	11/16 19/16 36 36 11/16 19/16	1 0	=	1 0 0	\$5,000	W. Austral Coolgardie	15, Cannon Street. 16, 6t, Helen's Place. 4, Bishop-gte St. Wn 1, Metal Exch. Bidgs	Alaska MexicanG	1% 1% 5% 5%	156 136	\$5	4 4-5d. Feb.,96	\$5	160,000	Alaska	30, St. Swithin's-in
Blagroves Freehld Bonnie Dundee G	13/10 13/10	4/ 4/6 6/ 7/8 11/4 19/16	2/6 1 0 2 C	-/5 Feb 18, '98	0 2 6 0 13 6 2 0 0	500,000 120,000 250,000	Corom. NZ O. T.Q'iang	Dashwood House. 16, S. Heien's Piace Charters Towers.	Anglo Mexican S Arizona (Pref.) Cu	% 34 48/ 48/3	5 636 36 36 45/9 46/-	\$25 5 0 4 0	1/6 Dec 24, '95 1/- Apr. 15 96 1/6 Peb. 13 '96	\$25 5 0 0 4 0 0	74,850 158,920	Arizona	23, College Hill; 74, Geost., Edinbor
BiockG Bt.Geo.G Erit, Brok. Hill S	1 1/6 13/6 1 1/6 13/6 17/ 18/	15/16 15/16 15/16 115/16 16/ 11/	10/0	-/6 Dec 16 '95 -/9 Mar. 26 '98	C 10 0	70,000 72,000 240,000	N.S. Wales	16, S. Helen's Piace Charters fewers. Dashwood Ho., E.C.	, 6½ A Deben.	108¾ 96½	108 981/2	1	1/- Apr. 15 96 1/6 Feb. 13, 96 34 % Oct. 30 '95 7 % Oct. 30 '95	100 G 0 100 O 0	£135,300 £181,300	"	**, 00030., Editable
Name APPON	2/3 2/9 25/16 21/16 xd	2/3 2/9 2½ 2½ 36 1	5/ 8/	1/- Mar 27 '98	8 4 6 0 8 0 1 0 0	100,000 960,000 125,0.0	W.Feather N.S.Wales	57. Moorgate Street. 3. Gt. Winchester st. 4, Gt. Winchester st	Dickens Custer GS	16/6 17/6	15/€ 16/6 -/9 1/3	1 0	1/- Peb, 13 '96 -	0 19 9	400,000	Idaho	6, Drapers-gardens. Winchester Ho. E.C.
Burbank spirent y	1/6 2/6 13/6 13/6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0	_	1 0 0	120,000	W. Austra	Coptual House, Portland House.	Doric	7/9 8/3	7/9 8/3 56dis 56pm	5/	-/3 June 26 "56	0 5 0	125,000	Colorado Montana	6, Draper's-gardens.
Canidy Hill G	56 die par	15/16 17/16 34 % 56 dis par	1 0	4-8d Mar 11'98	1 0 0	115,000 93,522 122,000	Coolgardie K'ig ri, W A W. Austra: W. Austral	35, New Broad Street Wor'st'r Ho., Waibr's 1, Met. Exchg. Blags	Gen. M'g. Assoc, Golden Feather G	61/4 73/4	614 714	5 10	14/- Apr. 95	5 10 0 1 0 0	27,469 180,000	C. Breton California	Blomfield House. S. Stephens Cs E.C.
Charlers TowG	1/ 1/6	1/ 1/3 /8 1/	13/	1/7¼ Mar 27'96	0 9 6	2CG.0C0 3CC.0G0	Queensind	110, Cannon Street	GateG	1/- 1/6	2/\$ 3/6	1 0	=	0 19 6	79,600	Montana	8, Draper's Gardens,
Colonial Finance Gold Fields	4 4% pmx .	% 4%pmxd	1 0	10/ Mar. 27 '98	0 10 0 0 12 6 1 0 0	21,140 75,250 246,779	W. Austral	139 7J. Cornhill. 30, Muorgate Street.	Harquabala G Holcomb Valley G	3/6 4/6	3/6 4/6	5/	-/6 Nov.14,'94	0 5 0	300,000 540,000	Arizona California	6, Draper's Gardens. 14, Cornhill, E.C.
murchison	1/16 1/16	/16 1/18	1 0		1 0 0	225,533 104,467	Murc., W A	Broad Street House.	Jackson Goldfields La Plata	/6 1/- 1/ 1/3	/6 1/- 1/ 1/3	5 0	1/3 Oct. '82	0 5 0	408,635	Colorado	11, Poultry, E.C. 11, Poultry, E.C.
Cooleardie Gold	1/6 2/6	13/16 13/16 15/16 11/16 1/6 2/6	10/	1/ Feb. 16 '95 -/3 June 94	0 5 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	150,000 100,000 115,000	Queensind Hann's WA	30. S. Swithin's in. 30-1, S. Swithin's-ie.	La YescaGS	3/- 4/-	2/9 3/3	1 0	-	0 19 6	200,000	Mexico	20, Bucklersbury, EO
Crown United Crown United Combrind (New)G	15/16 15/16 15/16 15/16 19 1/3	13 1/3	1 0	2/6 Dec,'87	1 0 0 0 19 0	75,000 184,690	Queenslad	Biomfield House 110, Cannon-st., E.C. Biomfield House.E C	Lyonnaise Mexican Montana GS	% 1% 8/6 9/6xd	% 1% 8/6 9/8 xd	1 0	-/3 Mar 27 '98	0 19 0	140,000 657,158	Montana .	3, Broad St. Bidgs. Gresham House, E.C.
Day Dawn B.& W. G P. C. G	11/6 12/6 3/6 4/	18/- 13/- 3/5 4/-	1 0	-/6 Mar 12 '96 -/6 Apr, '92	1 0 0	498,400 490,000	**	16. S. Helen's Place Winchester Ho., E C	New GustonS	36 36 1/9 2/3	36 36	1 0	1/- Oct. '92	1 0 0	110,000	Colorado	25A, Old Broad-st.
Eaglehaw k	1/6 2/6 par ¼ pm	1/6 2/6 par % pm	1 0	=	1 0 0	72,500	Victoria Mt. Margrt	71-72, King Wm. St. Finsbury House.	PalmarejoGS PinosAltos(Df)GS	1/9 2/3 3/6 3/14	1/0 2/3 56 %is	1 0	-/6 Mar.' 90	1 00	100,000	Mexico	32, Old Jewry, E.C. 110, Cannon-street.
Empress Coolge. G	1/4 1/4 /	16 15	1 0	=	0 10 0	90,000 9,000		Finsbury House, E.C. 2, Tokenhouse bidgs	St. George	% % 1/ 2/	56 76 1/ 2/	5 0	1/- Dec. 16 '95	5 0 0	54,000	Nevada G o'giaUSA	44, Coleman-street. S. Geo Ho., E'cheap
Figure Bynd Yngall E'is, Extd Figure	per % pm	par 1 pm	1 0	1/4 Jan. 16 '96	1 0 0	150,000	W.Austral	Copthall House 4. Sun Court 13. Et. Swithin's in	Sierra ButtesG	%6 %10	1/10 %10	2 0	-/6 Oct. 30'95	2 0 0	122,500	California	
Ghealtar Cons	% 1	% 1	1 0	=	1 0 0	300,000	N S Wales W. Aus ral	6, Q teen street-place	., Plumas Eur. G	/10% 1/1%	/10% 1/1%	\$1	-/9 Oct. 30 '95 -/2 Sep. 28, 9	2 0 0	1.000,000	Colorado	20. Abohurch Lane.
Galden Cement G	1/3 1/6	1/3 1/9 156 156	1 0	_	0 8 0	225,000	N. Zealand W. Austral	3-5, Queen-st. E.C. 79, Queen Street, E.C.	Twin Lake Placers	1 1%	1 1%	1 0	3/- Feb. '95	1 0 0	26,000	"	ô, Lawrence P. Hl. E
GateG	/6 1/6 13/16 15/16	1% 2 /6 1/6 34 1	10/	=	0 10 0 1 0 0	100,000	Queensind W.Austra:	77, Bishopsgate-st. 34-36, Gresham-st. 13. Helen's Place	-	SOUTE	I AND	CEN	TRAL A		CAN	MINES.	
Gold Estates	1 136 136 136 236 236 743/2743/24 d	136 136 236 236 736 736xd	1 0	5/- Oct 30' 95 3/ Dec 31'95 2/- Mar. 27'96	1 0 0	120,000 60,000 240,000	Yilgara	Dashwood House 4. Bishopsg te Street 42, Gresham House. 3. Gracechurch et.	Auglo-Chilian PfN 6% RylstMB Argen.Concessions	9% 10 103 110 1/9 2/3		10 0 100 0 2/	7/0 Feb. 27'96 6% Jan. 2'96	10 0 0	35,000 £200,000 150,000	Antolaget.	123, Bishops, st. W 3 & 5, Queen Street,
Junction M'n R'fs Fingall Rfs.	13/16 15/16	1% 1% 1% 1% 1% 1%	10/	- 5 % Jan. 16, 96	0 10 0	240,000 175,000	Kurnaipi	Wore, Ho., Walbrook 3, Princes Street. B a i Street House	Caratal G	/6_1/	-/S_1/	2/6	1/- Apr. 94	0 2 6 2 0 0	1,330,000 125,000 200,000	Venezuela Peru	57, Moorgate-st. E.C 52. Leadenhall street
Hainault	136 134	1 1% pm 1% 1% 36 % die	1 0	4/- Oct 30 '95	0 10 0	50,000	W. Austral	13-14, Abchurch in. 82, Gordon st , Glas. 9, 8. Mildred's Ct.	Colorado Nit N Colombia	1% 2%	134 234 136 236	5 0 20 0	2/6Dec.16,'95 10 frs. Aug. 94 1/- Jy 26, '95	5 0 0 20 0 0	32,000	Chili Vesezuela Colombia	5.Copthall-bdgs., E.O 12. King-st., Liverp'l Ciudad Bolivar. 10. Biomfield-street
GoldHill Plains Plains Ex Hanna's Brwn Hil	17 1 49 10 8/6 9/6	-/6 1/- 47/14 49/16 8/6 9/6	1 0	=	1 0 0 0 18 0 1 0 0	300,000 180,000 65,000	Cool. W.A.	93-94, Gracechurch st 29, S. Swithin's lane Suffolk House, E.C. Broad Street House.	Coptapo	2 2 2 5 6	656 656		2/6 Dec. 16 '95	1 00	100.000	Chill	Dashwood House, E.O Manchester.
Main Reef Merth	534 7 24 9/10 1 134	576 776 26 8/18 1 156	10/	=	1 0 0	51,107	Keig.W.A.	15, St. Swithin's In. 33, Cornhi l. Dashwood House.	Dou Pearo	1/ 2/	956 976	1 0	x.uwDec 30'95	1 0 0		Beauti	24-5, Devonsh.CsE.C
Prop	134 134 315/16 61/10	154 154	1 0	Ξ	0 10 0	70,0:0	Hann. WA	20. Bucklersbury 139. Cannon Street. Butholomew Ho.	Frontino & BG GlenrockG GravelG	11/18 13/18 1/3 1/9 2/6 3/6	1/4 13/4 1/3 1/9 2/6 3/6	1 0	91/4d. Feb. '94 6d. Jan. 18 '9t	1 0 0	128,662	Venezuela Colombia Arg. (& I.) Colombia	8. Bishopsgtst. Wr. 184. Gresham House. 3-5. Queen-street, E.C. 10. Blomfield-street
Hauraki G Hawk's View Ris or Miss	16/ 16/6 xd 1 36 56 17/16 19/16	16/ 16/6xd	2/6 1 0	1/ Mar. 27 '96	1 0 0	250,000 40,000 120,000	Coromndi. W. Austral Cool., W.A.	Finsbury House E.C Dashwood Ho.; E.C 71 7t, King Wm. St. 1, Queen Vic. St.	GuadalupeGS	3/6 5/-	3/6 5/	1 0	=	1 0 0	120,000	Honduras	14. Uulon et. Old Brd
Kabaonea G	5/ 5/6 1/6 2/ 154 174 11/ 11/6	36 56 136 136 5/3 5/9 1/6 2/ 136 136	10/	-/6 Jan.,16 '96	0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	143,439 249,250 34,0 0	W. Austral Queensind W. Austral	Coptinal House. 70-71, Bishopsgate st 20, Tureadneedie-st	Julia TaltalN	316 316	316 316	5 0	15p.c. Dec.*94	5 0 0	120,000	Tarapaca	3. Gracechurch st:
Kaigurii	7/6 6,6	10/6 11/ 7/6 6/6 5% 7% pm	1 0	rts May 24 ° #5	0 19 6 0 16 0 0 15 0	80,340 44,000	Murchison W. Austra	9, New Broad-street. 33, Broad-st. Avenue 8, Abchurch lane.	Lautaro	914 1014 -/6 1/- 114 214	6% 6% 8% 9% /6 1/	1 0	5/- Dec. 30 '95 15/- Dec 16, 95 3/43/ Nov. '85	5 0 0 1 0 0 5 0 0	300,000	Colombia Chili	Liverpoor. 5, Copthall-building. 9, Gracechurch-st.
E.maia Reefs	9/6 10/6 3 % 4 13/16 1 1/16	5/ 5/8 36 36	1 0	Ξ	1 00	70.000		Dishwood House. Throgmorton House 34-36. Gresham-st.	Nit.(Pref.)	3% 4% 1/ 1/6	31/4 1	5 0	3% Nov. 28'95	5 0 0	22.000	Poru	11, Old Broad-st, E.C
" Mary Amalg. " Shenton Lake View& E. Bldr Limerick	87/10 88/10 45/10 43/10 15/1 13/1	10/16 11/16 21/16 20/16 4 43/ 13/6 13/	10/10/10/	-/6 Jan. 2 '95	1 20 0 7 6	52, 137	=	Finsbury House. 18, 8t. Swithin's in 9), Cannon Street. Leadenhal Buildgs.	New Tamarugal N	1/4 1/4 1/4 1/4	56 36 Via 95a	1 10	1s. Dec. *94 8 p.c. Feb. *95	1 10 C 1 10 O	130,000	Tarapaca	50, Lime-street, E.C
La. & Con. Invest.	16 % pm 2 % 256xr	16 % pm	1 0	rts Mar, 27 '96	1 0 0 0 0 15 0	500,000	_	71. Queen Street. 15. Austin Friase.	Orita	1/9 2/3	86 90 1/9 2/3	1 0	6 p.c. Feb. '36 1 1/- April '89 1/- Feb. '96	1 0 0		Colombia Brazii	10, Blomfeld-street 5. Queen-street-place
Law. Anat. Expl. Law. Anat. Expl. Lon. W. A. Invest. Mainland Cons. G	21/16 21/14 234 276 276 3	7/ 8/ 81/1e 23/16 23/6 23/8 23/6 3	1 0	4/-Nov 29 '94 4/ Oct 16 '95	1 0 0	467,000 279,100 100,600 150,100	Murchison	3. Gracechurch-at. Broad Street Ho. 24 Old Broad Street	Bac. & Jaspampa N	134 2	134 2	S C	4/- May, '95	6 0 0	72,000	Tarapaea S. Luis	3, Gracechurch-st. 3 & 5, Queen Street.
Mawson Rewrd. G Menzies Gold Est.	36 36 1 116	2% 3 1% 5% 11/16 13/16 13/4 13/6	1 0	=	1 0 0	60,600	**	21 & 29 & Swithin's in Broad Street House 221, Old Broad Stree	Quebrada C	1/10 3/10	34 K	3 0	5% Mar. '93	3 0 0		Venezuela	38, Nicholas Lane. 57%,OldBroad-stree
Milis' Day Dawn G	13/16 15/16 3/6 4/6	18/14 15/14 18/14 15/14 4/3 4/9	1 0 1 0 1 0	-/6 Aug 29'55	1 0 0 0 15 6 0 19 0	300,000	Queenslud N.S. Wales	16, Tokenhouse Yard 16, 3, Hele i's Place Budiopsgate House	Rosario	5 5 % 102 104 xd 103 103	102 104 xd 103 106	100 0 100 0	5/- Feb. 13 '96 5% Apr. 1 '96 5% Jan. 2 '86	00 00	120,000 £475,000 £200,000	Obili	31 /g. Oldaron-1-95100
Mount Lyell	30/16 311/16	5% 6 2% 2% 3% 2%	1 0 1 0	-/6 Mar 12, '96	3 0 0 1 1 0 0 0 0 17 6 1	300,000 1,600,000 75,000	W. Austral Queensind	Finsbury House 28, St. Swithin's in. 9, Gracechurch-st.	St. John del Rey G Sau DonatoN JorgeN	19/8 20/6 1½ 1½ 5½ 6	76 1 114 134 536 6		r.rtsNov 13 '95 1/6 May 24 '35 5/ Oct. 16 '95	5 0 0	327,65C 32,000 75,000	Brazii	Pinsby, Ho., Bimf'd st 12, King-st., Liverp 9, Gracechurch-st.
Murchison N. Ch'm h'w Hauraki Prope	9/ 10/	13/16 13/16 10/6 11/6 5/9 6/3 6/6 7/6	1 0 6/ 1 0	1/- Oct 30 '95 -/6 Sep 12 '95	0 5 0	160,000	Ha raki, NZ	44, C deman Street 23, College Hill. D shwood House. 71 72, King Wm. St.	SabastianN	1% 1%	11/4 11/4	15/	5/ Oct. 30 '95 5/ May 24 '95 1/3 Dec. '46	5 0 0	32,000 29,000 60,000	Brazii	Dashwood Hoouse EC Liverpool
South Boulder	136 156	6/6 7/6 154 134 6/ 6/6 1/ 1/5	1 0	=	1 0 0 0 10 0 0 4 0	800,0.0	Dandas W. Austrai	3 ', 8, Swithin's lane	RitaN SegoviaG	3%_34	334 434	5 0		5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20,000	Tarapaca Chili Colombia	3, Gracechurch-st. DashwoodHouse, E, O S, Coptha'l-buildings
" Kalgurii "Q'ld, M. Agency Omnium G.M. Assoc Paddington Cons.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0	30 X Aug. '95	1 0 0	BC,00.	Queensind	11, Abehurch lane 10 New Eroad Street Broad-streeet House	Folima "A"S	6% 7% 5% 6%				5 0 0	6,000	**	18, Finsbury-circus.
Pilharra G. F.	13/10 15/10 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1	E2& rto F,13 96	1 0 0	100,000	N S Wales. Pilb, W. A.	77. Bishopsgate-st. Witchester House. 38. Coleman-street. 4. Bishopsgate-st.		1	INDIAN	AN	D ASIAT	IC M	INES.		
Borereign	1% 136 11/6 12/6	4% 4% 2/9 3/3 1% 136 1/ 12/	1 0	=	0 3 0 1 C 0 1 0 0	00.000	N. Zealano Coo gardie	Dashwood House, 8, Old Jewry, E.C. Broad Street Avenue	Balaghat Mysore G	2/9 3/3- 11, 16 13/16	2/9 3/3 56 34	1 0	=	0 19 C 0 18 0		India Burmab	5-7, Queen-street-p Suffulk House. E C .
ScottishAustralian Scotty's Hauraki South Kaigurli Stay Shot & Excl	36 56 3/6 4/ 36 76	36 56 3/6 4/ 56 76	5/-	-/3 Aug., '95	0 20	400,000	N. Zenianc W. Austra	Winchester Ho. E.C. 5, Drapers gardens 2), G est & in St. 20, S. Swithin's lane.		615/16 7 1/16 1/- 1/6 1/4 1/4	656 634 1/ 1/6 156 156	1 0 :	/- Jan. 16 '96	1 0 0 1 0 0 0 17 6	220,000 200,000 95,000		S-7, Queen-street-pl. Ashwood Ho., E.O. 6-7, Queen-stplace
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REPORTS FROM THE MINES.

BRITISH MINES.

FOXDALE (Isle of Man).—April 2: Beckwith's engine shaft. The sinking of this shaft is carried on in its usual course, there being no particular change in the character of the ground, which is hard granite interspersed with quarts and chalybite.—275 fathom level west Daries the rest worth there has been as hard granite interspersed with quarts and chalybite.—275 fathom level west. During the past month there has been a falling off in the value of the lode in this driving. I am, however, pleased to report it is again showing signs of improvement, and, at present, is producing about 30 cwts. of lead ore per fathom. To prove the portion of the lode standing on the north side of this level a crosscut has been put out and has reached what appears to be comparatively clean country, rock, but nothing of value was met with. There is no change calling for remark in the end driving in this direction on north lode, and in the east end on main lode, both of which are yielding small quantities of ore.—260 fathom level. The improvement referred to in last report in the end driving west, on the south lode, has been maintained, and is yielding 30 cwts, of lead ore per fathom. Judging from present appearances we expect it will prove to be the same run of ore ground driven through in the level above, it having dipped further west than anticipated. In the level driving west on the north lode the men are at present engaged crosscutting to prove dipped further west than anticipated. In the level driving west on the north lode the men are at present engaged crosscutting to prove the full width of the lode, which recently has considerably fallen off in value. So far nothing of importance has been discovered in the crosscut north immediately behind the east end, and, unless indications more favourable are met with, we shall in a few days resume driving the forebreast.—Potts' shaft. Having been communicated with the rise, every effort will be made to equare down, and complete the sinking of the shaft to the 200 fathom level as quickly as possible.—115 fathom level. The end driving west is opening out a profitable section of ground for stoping, the lode being worth 2 tons of rich silver-lead ore per fathom. silver-lead ore per fathors WEST KITTY.—St. A

MEST KITTY.—St. Agnes, Scorrier, Cornwall, April 9: The rise in back of the 84 fathom level west of Reynolds' shaft is worth £8 in back of the 34 fathom level west of Reynolds' shaft is worth £8 per fathom. The 72 fathom level driving west of Reynolds' shaft the lode is about 2 feet wide, yielding a little tin, but not to value. Tee 60 fathom level driving west of Reynolds' shaft the lode is 3 feet wide, and worth £9 per fathom. The rise in back of this level is worth £11 per fathom. The 60 fathom level driving east of Thomas's shaft is worth £9 per fathom. The stopes and tribute pitches continue to yield the usual quantity of tin. The shaftmen at Thomas's have fixed a drawing lift, and are now engaged in cutting plat at the 60 fathom level.—(Signed) Joel Hooper, John Williams,

BROWNHILL PROPRIETARY .- Under date of February 17 Captain Vawdrey writes: On Wednesday I took Mr. Hocking out to the mine. Mr. Hocking owns the Hannan's Miner newspaper, to the mine. Mr. Hocking owns the Hannan's Miner newspaper, and does all the mining reporting for the same. I took him all through the works, and am now enclosing his report on the same. He informs me he has been down in almost all the mines in Hannan's, but has not seen anything north of the Hannan's Brown-

hill looking better than leases 922 and 552, EMERALD REWARD.—Yalgoo, February 25; Report No. 1. I beg to forward you the weekly report of the different exploration points.—Point No. 1, shaft No. 1 (late tribute department) The two men working at this point have just intersected another vein of good quartz about 8 inches wide, bearing about east and west and underlaying north. This is a most remarkable occurrence as the direction and underlay of the previous veins have been in an almost directly opposite direction with ragard to their bearing and underlay. This vein as well as other veins passed through is situated in very congenial and soft diorite, and is producing some very rich specimens of gold, four stones of which are now before me on the table which I have just brought up from underground. I hope this remark will not unduly raise your expectations as these little veins have as often proved disappointing. But if this should continue it will brighten up the future of the mine, although only 8 inches wide. The men have driven 20 feet for the past fortnight.—Consolidated shaft No. 3. This croescut is still progressing satisfactorily with two men. They have driven for the present month 21 feet, and have another 25 feet to drive before they reach the point at which I intendsinking the new shaft.—Point No. 3, shaft No. 1. I am very pleased to report that these four men have been doing good work, having driven on the lode bearing north and south 25 feet, and 16 feet 4 inches on east and west lode, with which it has formed a junction, being a total drivage of 41 feet 4 inches. The lode in the west end is about 3 feet wide, and the quartz has got a kindly appearance, producing occasionally colours of gold. The east end of the lode is 4 inches wide, and improved a little last week, producing some very capital stones of free gold. I am having the output of this end sampled every two days to see if it will pay for milling.—El Dorado Consolidated, Shamrock No. 1 shaft. The four men working at this point have driven for the month 29 feet, and the lode for this distance has only averaged about ½ ounce per ton. The men working at this point have just intersected another vein of good quartz about 8 inches wide, bearing about east and west and working at this point have driven for the month 29 feet, and the lode for this distance has only averaged about from 4 inches to 6 inches wide, which I estimate will go about \(\frac{1}{2}\) ounce per ton. The output of quartz from both ends has been so limited that I have not yet a sufficient quantity to enable me to make a proper mill test. Two of the above named men I have had blasting the outcrop of the El Dorado lode, from which I have observed from the fool and hanging wall sides of the lode some moderate stones carrying gold. These men have now raised about 10 tons,—Shamrook No. 2 that two men working here have driven since the 3cd int. gold. These men have now raised about 10 tons,—Shamrock No. 2 shaft. The two men working here have driven since the 3rd inst 18 feet. The lode in the west end is now about 1 foot wide, and in the east 18 inches wide, and looks promising but poor.—(Signed) James Penberthy, manager,

James rendersty, manager,
GEM OF CUE.—Extract from a letter from Mr. F. W. Timperleyt
dated March 1: Depth has proved the Gem of Cue to be one of the
soundest properties about here. I have been out very recently, and
was very agreeably surprised at the amount of work, and the systewas very agreeably surprised at the amount of work, and the systematic way in which it has been done, also at the strong and well-defined nature of the lode. They have been raising some wonderfully good stone lately at the 108 feet, gold showing very freely to the naked eye, and the reef is a nice size. Altogether prospects look

very bright.
GOLD FIELDS OF TIERRA DEI FUEGO.—Report of the company's mansger in Mozambique for the month ending Jan. 31: I have pegged off and properly beaconed 20 allavial claims on the Manene River. The water is too high at the moment to prospect them properly and get down to bed rook, but the pans give excellent results, showing gold at a depth of 18 inches, and the situation is exceptionally favourable. With a little work I discovered a big reef in the proper bank of the river, which lies within the boundaries of our 20 claims. My intention is to explore on the line of the reef and sink upon it, to ascertain what it is worth at depth. The outcrop is about 4 feet wide. These claims are at the fact of the Birthday Mountain, below the Lucinda, Skyblue, and Lion reefs, one or other of which will require to come to some arrangement. reefs, one or other of which will require to come to some arrangement with us before they can work properly. I consider a block of 20 claims constitutes a suitable property and convenient in size for all purposes of development, but if the reefs I am now sending to prospect in the Chua Valley are what I expect, I shall peg off all the ground I can lay hands on. By next mail I shall send you licence and plan of the 20 claims already secured.—Revue. River. Nobody has yet worked this alluvial. The African Alluvial Company is working Zambesi to its junction with the Revue. Nearly all the claims are pegged off, but I know of a very good spot which nobody has yet pegged, and shall take the first opportunity to beacon off a lot of claims.—Inhamcarara. This district is, in my opinion, richer in gold than Manica or Marhana. When the rainy season is over, my first visit will be to Inhamcarars, where I have a contract for 22 claims just below the rich Eastern claims. reefs, one or other of which will require to come to some arrangement

mined and milled, 6536 tons; quartz developed in excess of that mined, 5389 tons.—Mill. Number of days working (60 stamps), 27 days; number of tons crushed, 6536 tons; yield in smelted gold, 1633 ounces 10 dwts.; yield per ton, 500 dwts.—Cyanide works. Number of tailings treated, 4350 tons; yield in smelted gold, 1663 ounces 9 dwts.; yield per ton, 4'89 dwts.—Working expenditure. To mining (including maintenance), £2618 192, 2d.; to milling (including maintenance), £1201 11s. 5d.; general charges, £522 9s. 3d.; mine development redemption, £1634; cyanide working, £962 15s.; profit for month, £1245 17s. 81.; total, £9185 12s. 6d.—Revenue. By gold accounts: 1633 ounces 10 dwts. from 60 stamp mill at 73s. per ounce, £5962 5s. 6d.; 1063 ounces 9 dwts. from cyanide works at 60s. per ounce, £3190 7s.; by sendry revenue, £33; total, £9185 12s. 6d.—Working cost. Mining (including maintenance), 11s. 0'88d. per ton; milling (in-Mining (including maintenance), 11s. 0.88d, per ton; milling (including maintenance), 3s. 8.12d, per ton; general charges, 1s. 7.18d, per ton; mine development redemption, 5s. per ton; total, £1 1s. 4.18d, per ton; value of yield, 18s. 2.93d, per ton; balance, per ton; mine development redemption, 5s. per ton; total, £11s. 413d, per ton; value of yield, 14s. 2°93d. per ton; balance, 3s. 1°25d. per ton. Cyanide working (including maintenance), 4s. 5°11d. per ton; value of yield, 14s. 8°01d. per ton; balance, 10s. 2°90d. per ton.—Expenditure of capital account. Mine development, £3449 11s. 4d.; less redemption, £1634—£1815 11s. 4d.; machinery and plant, £1390 6s. 31.; permanent works, £3639 18s. 4d.; buildings, £405 10s. 3d.; live stock, £18: reservoirs and dams, £617 1s.—£7886 7s. 2d.—No. 2 section (Metropolitan Company's works).—Oyanide works. Number of tons of tailings treated, 2145 tons; yield in smelted gold, 386 conces 6 dets.; yield per ton, 3°60 dets.—Working expenditure. to cyanide working, £700 7s.; to profit for month, £458 11s.; total, £1158 18s.—Revenue, by gold account. By 386 conces 6 dets. at 60s. per conce, £1158 18s.; total, £1158 18s.—Working cost, Cyanide working (including maintenance), 6s. 6°36d. per ton; value of yield, 10s. 9 66d. per ton; balance, 4s. 3°30d. The general manager in his usual monthly report states that the supply of native labour has been augmented so such an extent that he hopes to be able to commence milling at the No. 2 section by March 16. It must be noted that far more ore has been broken during the last two months than was necessary for the requirements of No. 1 battery, but the whole cost of this mining, which constitutes a considerable reserve, has been charged to current expenses, thereby apparently reducing the been charged to current expenses, thereby apparently reducing the

profit.

HAMPTON PLAINS EXPLORATION.—The following is the weekly report of work done on Block 59, dated February 29: No. 1 shaft has been sunk 15 feet, making total depth of shaft from surface 70 feet. The stone, which pinched to about 6 inches at a depth of 55 feet, has made again. On the bottom of shaft the reef is now 2 feet wide. From 40 feet deep to present depth the quality of the stone has not been so good. From the surface to a depth of 40 feet the stone showed fine gold freely. No. 2 shaft has been sunk 18 feet, making total depth of shaft 47 feet. Ltaders are now making in at the bottom, so that we may expect to cut the lode early next week. During the week I have had two man prospecting near the western boundary of property.

week. During the week? I have had two min prospecting near the weatten boundary of property.

HANNAN'S REWARD.—Extract from the manager's letter, dated February 29:—The following is the work done for the week;—210 feet level crosscot west has been extended a distance of 6 feet 6 inches, total 6 feet 6 inches. 210 feet level crosscot east has been extended a distance of 5 feet, total 5 feet. The quartz vein at this level is still carrying gold to the value of 4 oances per ton. It will take another week's work in the crosscotts before it will be safe to put in the crosscotts before it will be safe to

put in the cage runner. The ground still keeps very hard.

LA YESCA.—The following cable has been received:—"Crushed
48 tons; 1300 ounces; 65 per cent." The manager reports that the
depth of the mine to lowest level is 128 feet. This level and winze leading to it are on middle vein of lode. In the forebreast is a body of ore 3 feet wide, with distinct walls crossing lode nearly at right angles. It assays 92, 136, and 150 ounces to the ton. Length of angier. It assays 32, 136, and 150 ounces to the ton. Length of this level is 60 feet. At southerly end he is crosscutting to footwal!. In crosscut another body of very fine looking ore has been struck. Progreso winze has a perpendicular depth of 36 feet, and is producing 40 to 60 ounce ore. He also reports that he has about 3 tons of concentrates which will assay 300 ounces and upwards.

LUCKY GUSS.—A letter from the manager, dated March 27, informs the board that at the 300 feet level of the Orpha May, and coming towards the Lucky Guss, the fore is required 100 coming and

coming towards the Lucky Guss, the ore is running 100 conces gold to the ton. This is the same chute of ore as in the 170 feet level which has been driven up to the Lucky Guss boundary. They have also struck good ore in the Pike's Peak Mine, and this lode runs

rough the Lucky Guss.
MYALL'S UNITED.—Extract from letter of Danvers Power, the ompany's consulting engineer, dated Sydney, February 21:—
Speaking of the shaf, he says:—This is by far the best shaft in the district for miles around, and is being sunk cheaper than any other in the neighbourhood. . . At the bottom of the old main shaft the reef is 5 feet wide, and is being driven on north and south to prepare the ground for stoping. When the new shaft is down to this level we will crosscut to meet if. A party of men will shortly be put on to crosscut at 100 feet from Reedie's shaft westerly to cut the roof there and test the ground in between I the region of be put on to crossout at 100 feet from Reedie's shall westerly to out the roof there, and test the ground in between. In the various ore paddocks we have about 500 tons of good quartz, which appears to be as rich as that last crushed by the former owners—in fact, it comes from a continuation of the same workings. (The last crushing was 63 loads for 238 ounces). So soon as we get sufficient water this will be crushed, and the yield cabled home. The result from this parcel should meet all mine expenses to date including the sinking of the new short. Considering this to date, including the sinking of the new shaft. Considering this quartz has been principally obtained from drives, this must be considered very satisfactory. We will have to crosscat 150 feet at the 250 feet level to cut the reef.—Extract from letter of Mr. Thomas White (the mine manager) to Mr. Danvers Power, da'ed February 24: The new shaft is now down 102 feet from the surface. This is most The new shaft is now down 102 feet from the surface. This is most satisfactory sinking for the time—viz., five weeks and three days, considering we have also put in two frame sets for pumps, and clostimbered the shaft almost throughout.

MOUNT MAGNET.—The following fortnightly report has been

received from the general manager, dated March 2: No. 1 shaft north. The drive south at the 60 feet level has been extended 12 feet. The lode at 6 feet behind present face was heaved slightly to the east, and pinched to about 12 inches wide. It is yielding stone of rich quality. Mullock Pass is sunk a farther distance of stone of rich quality. Mullock Pass is sunk a further distr 22 feet, total depth 56 feet. The reef here is 2 feet wide, y all 3 conces material. When the contractors sink to the 60 will invite tenders for the extension of the drive to connect with the main shaft.—Main shaft, During the past week we have fixed the collar set of timber at the main shaft, and ordered sawn timber sufficient to secure 60 feet of the shaft. Below this the country (diorite) rock is quite hard, and will not require timthe country (diorite) rook is quite hard, and will not require timbering other than dividings or centres.—Lease 64 mile. The office shaft is sunk to a depth of 50 feet, where we have crosscutted the lode, proving it to be 6 feet wide. The stone when "dollied" yields at times fine gold. During the ensuing week I purpose taking a fair bulk sample and having it tested by fire assay. The south-east boundary shaft is sunk 45 feet from surface, where the lode was tapped. It was my intention to open out at 60 feet deep, but could not procure windlass to peg sufficient length. It is about 18 inches wide, producing good prospects. Good progress is being made with the buildings and surface improvements.

PESTABENA.—April 4: In the 33 fathom level cast on No. 1 5 feet from surface

lode the brand on hanging wall averages 15 centimetres wide, and yields 1 ton per fathom, worth 1 ounce. The 46 east has opened up some rich ore during the month. Lode now 40 centimetres Nobody has yet worked this alluvial. The African Alluvial Company is working Zambesi to its junction with the Revue. Narly all the claims are pegged off, but I know of a very good spot which nobody has yet pegged, and shall take the first opportunity to beacon off a lot of claims.—Inhamcarara. This district is, in my opinior, richer in gold than Manica or Marhana. When the rainy season is over, my first visit will be to Inhamcarara, where I have a contract for 22 claims just below the rich Eastern claims.

GEORGE GOCH AMALGAMATED.—No. 1 section (George Goch Company's Works).—Report for the month of February:—Mine. Number of feet driven, sunk, and risen, 746 feet; quartz mine. The feet guartz for the feet guartz mine. The feet guartz mine. The feet guartz for the feet guartz mine. The feet guartz feet guartz mine. The feet guartz feet guartz mine. The feet guartz mine.

At the 55 east on No. 1 lode the lode is 40 centimetres wide, and At the 55 east on No. 1 lode the lode is 40 centimetres wide, and yielding 4 tons per fathom at 2 ounces. There are two stopes at the 70 east; one is in a splendid lode of solid pyrites 60 centimetres in width, giving 9 tons per fathom at 4 ounces per ton, and the higher producing 6 tons per fathom at 2 ounces 10 dwts., and is likely to improve in height, At the 70 west on A and B lodes a stope is yielding 2 tons at 1 ounce 15 dwts. At the 90 west on No. 1 lode there is stope yielding 2 tons at 1 ounce 10 dwts., and at the 100 west on giving 3 tons per fathom at 1 ounce. Average of 7 stopes, 4 tons per fathom at 2 ounces 10 dwts. At Stabioli the crosscut west from Morghen addit has passed through a small vein of quartz, but snow in schist.—Kint Concession. New lode in Graja addit. The end east is suspended to make a trial on western side to ascertain which presents most promising appearance for further trials me presents most promising appearance for further trials. The Depaulis lode in the end east from the adit is 1 metre wide, carry, ing 40 centimetres of fair looking ore in roof; for 80 centimetres in ing 40 centimetres of fair looking ore in roof; for 80 centimetres in width the lode is mixed with fine low grade pyrites, and looks most promising. In the Quarazza winze the lode is 80 centimetres wide, with a branch in the bottom 20 centimetres wide; the ore is becoming wider, and the pyrites much more massive.—Pozzose, Since March 12 the mine has been forked 26.70 metres.—W. H. Teclassa T. H. Messa.

PRINCESS ESTATE.—Report on the company's operations for PRINCESS ESTATE.—Report on the company's operations for month of February:—Mine. Number of feet sunk and driven 279 feet.—Mill. Number of days (24 hours) working 30 stamps 2½ days, ore milled 3225 tons, yield in smelted gold 1295-28 ounces, average per ton 8-03 dwts.—Cyanide works. Tons of tailings treated 3025 tons, yield (in bullion of 60s, value) 579 ounces.—Revenue and expenditure. Expenditure. Mining, hauling, and pumping £2375-3s. 3d., sorting and tramming £302-18s. 5d., reduction £623-10s. 5d., general charges at mine and head office £448-15s. 10d., mine development redemption on 3225 tons at 6s. 6d. £1048-2s. 6d. working expenses at cyanide works £604-8s. 11d.; total £5402-19s. 4d.; balance (profit for month) £1247-0s. 10d.; total £6650-0s. 2d.—Revenue. Mill gold (1295-28 ounces at 72s.) £4663 0s. 2d., cyanide gold (579 ounces at 60s.) £1737, water test and licences £250; total £6650-0s. 2d.—N.B. The revenue from water rents and licences warping very much in each month, the and licences £250; total £6550 0s. 20.—N.D. The revenue from water rents and licences varying very much in each month, the average of the annual receipts under this heading has been adopted in this report.—Working costs per ton. Mining, i. . . . ng, and pumping on 3225 tons 14s. 8-8d., sorting and tramm s on 3225 tons 1s. 10-6d., reduction on 3225 tons 3s, 10-5d., general charges on the second seco 1s. 10·6d., reduction on 3225 tons 3s. 10·5d., general charges on 3225 tons 2s. 9·1d.; total 23s. 3d.; mine development redemption 6s. 6d., oyanide works (on tonnage treated, 3s. 11·4d.) 3s. 9d.; total 33s. 6d.—Total expenditure. Working expenses £5402 19s. 4d., on capital account, for development, permanent works £1221 0s. 5d., machinery and plant, buildings, &c., £627 3s. 7d.; total £7251 3s. 4d.; less amount redeemed from mine development on 3225 tons milled at 6s. 6d. £1048 2s. 6d.; total £6203 0s. 10d. The scarcity of native labour has materially hampered the company's operations; during a part of the month only 20 stamps could be kept working, thus reducing the number of working days on the basis of 30 stamps. The management was unable to sort the ore basis of 30 stamps. The management was unable to sort the one to the same extent as in former months, through this want of labour which explains the lower grade per ton. — F. W. Diamond,

SMELTING COMPANY OF AUSTRALIA. - The managing director's advices show satisfactory progress is being made in the construction of the works at Illawarra. Most of the machinery, to be manufactured on this side, has been shipped, and the various plant to be procured in the colony is in a forward state. The directors expect that in a few months they will have addiess that actual operations at the works have commenced. The directors that actual operations at the works have commenced. The directors have also to report that a considerable number of tests have been made on this side by the processes belonging to the company on the refractory sulphide ores, and they have proved most successful. The directors have authorised an expenditure for development pusees on the White Rock, and the reports which have come to has indicate that the property will prove to be a most valuable asset. They have decided not to work the various mining properties themselves and them will commence thereto the arrangement for

They have decided not to work the various mining properties toemselver, and they will commence shortly to make arrangements for their being worked under separate management.

VENTURE SYNDICATE.—Cable received by the Venture Syndicate from their managing director in Perth (W.A.):—Craigy-Hos (Menzies). 1 shaft, 100 feet (deep), crossout 17 feet, drive on the line of the reef 43 feet, reef 17 feet wide, 200 tons at grass, Estimate, the net yield at 1 ounce 10 dwts. per ton. 2 shaft, 100 feet deep, crossout 16 feet, reef 3 feet wide, 20 tons at grass. Estimate, the net yield at 12 dwts. per ton. 3 shaft, 84 feet deep. 4 shaft, deep, crosscat 16 feet, reef 3 feet wide, 20 tons at grass. Estimate the net yield at 12 dwts. per ton. 3 shaft, 84 feet deep. 4 shaft, 17 feet deep.—Crosscat to the west 26 feet, reef 10 feet wide, average 2 ounces.—Good Luck (Hannan's). North shaft 84 feet, crosscut to the teet 13 feet.—Normanby (Que). Winze has been sunk 40 feet. Splendid body of ore, 3 feet, hanging wall very good. Estimated 70 tons it grass, average 2 ounces.—Haro's leases (north of White Feather). Brand's report posted, estimates several hundred thousand tom average 1 ounce, prospects great.—Wasparilla (Bardoc). Development quite satisfactory. Foreman reports property superior anything at Hannan's.

WEMMER.—Report for the month of February: Expenditure.
Mining account, £4640 6s. 1d.; sorting account, £266 11s. 1d.;
less stone sold, £192 17s. 3d.—£73 13s. 10d.; water service from
pan to mine, £5 14s. 4d.; 8869 tons were obtained at a total cost of
£4719 14s. 3d.—Reduction expenses. Crushing ore £1458 3s. cost pan to mine, £5 14s, 4d.; 8869 tons were obtained at a total cost of £4719 14s. 3d.—Reduction expenses. Crushing ore £1458 3s., cost per ton 4 3·45; concentration £266 9s. 3d., cost per ton 9·40; tallings wheel £15 18s, 9d., cost per ton 0·56; electric lighting £64 17s. 1d., cost per ton 2·29; rock breaking at main shaft £123 8s, 2d., cost per ton 2·29; rock breaking at main shaft £123 8s, 2d., cost per ton 2·29; rock breaking at main shaft £123 8s, 2d., cost per ton 4·36; transport of ore to mill £116 7s. 3d., cost per ton 4·10; total 6802 tons, cost £2045 3s. 6d.—General charges. Licences, medical expenses, directors' fees, sanitary expenses, accident and fire insurance, London office expenses, salaries, and charges. £449 0s. 5d.—Development. Redemption 6802 tons, cost £2380 14·2.—Cyanide works. Treating 4750 tons, cost £548 13s. 7d.; total, £10,143 5s. 9d.; profit for the month, £6559 ls. 11d.—Revenue. Gold account. Battery bullion, 3,046·12 ounces, estimated at £3883 1s.; concentrates estimated for February, £2011 6s. 6d.; less shortage for December, £233 19·10d.—£1777 6s. 8d. Total amount spent on development, including 480 feet of driving and sinking, £2240 12s. 6d.—Capital account. Main shaft, cutting 1000 feet clater, timbering, ladders, &0., £110 0s. 8d.; machinery, buildings, and general includers. Capital account. Main shaft, cutting 1000 feet cisters, timbering, ladders, &c., £110 0s. 8d.; machinery, buildings, and general improvements, £447 4s. 3d.; total, £557 4s. 11d.—Milling results for February. Stamps at work, 50; working time, 27 days 16½ hours; tons crushed, 6802; tons crushed per head per day, 491; bar gold extracted, 3046·12 ounces; yield per ton crushed, 895 dws.; tallings treated, 4750 tons; bullion from tailings, 1221·45 ounces; concentrates caught, 140 tons; assay value of concentrates, 5 ounces 0 dwts, 12 grains. Note.—The total yield per ton, including extraction from tailings and concentrates, 14 007 dwts. fine gold.

OMEO.—Samples of quarts from the various workings of the mines have been received in London and submitted to Mestr. Johnson, Matthey, and Co., for assay, with the following highly

omines have been received in London and submitted to Mestra.
Johnson, Matthey, and Co., for assay, with the following highly satisfactory result:—No. 1 reef No. 1 shaft, 5 ounces; No. 1 reef No. 3 shaft from surface, 9 ounces 10 dwts. 16 grains; No. 1 reef No. 3 shaft 60 feet from surface, 10 ounces 5 dwts. 6 grains; No. 1 reef No. 3 shaft mineral stone from bottom of shaft, 8 ounces 16 dwts. 12 grains; No. 1 reef No. 4 shaft, 4 ounces 4 dwts. 12 grains; No. 2 reef, 3 ounces 6 dwts.; No. 3 reef, 1 ounce 19 dwts. 18 grains—per ton of 2240 lbs. of mineral. The dovelopment of the properly is proceeding very satisfactorily.

VICTORY GOLD,—Mr. Santelli reports March 7, as follows: The work on La Uruz section is already sufficiently advanced to permit of our very soon having 30 to 40 tons, or even more, of quartz daily, and before the installations at the mill, automatic inclined plane, &c., are completed, we shall have a good stoke 6 quartz on the tram road.—Santelli level. I have completed the rails in this level, and have started two miners to work on this first lode, and am pushing on the main level with only one miner, but on Monday, if some miners arrive, I hope to be able to re-organise this part of the work.

ALMADA AND TIRITO.—Report for the fortnight ending March 11: Drivages. The lode in Ibarra's tunnel driving south is of a largatz see nature, showing good stones of ore. The lode in the 150 feet level driving good to fore or fore the 150 feet level driving south of Taylor's shaft is massive, composed of quaris with intrusive porrobptry, and yielding occasional intense of green ore. In the 150 feet level driving north of Taylor's intense of green ore. In the 150 feet level driving north of Taylor's shaft the lode has improved, being over 6 feet wide, carrying well-shaft the lode has the lode in the 150 feet level driving south of Wilde's shaft has also improved, and is yielding small quantities of ore, containing 21 ounces silver per ton. The lode in the 150 feet level driving containing 21 ounces silver per ton. The lode in the 150 driving north of Wilde's shaft has a nice appearance, but only yields occasional stones of ore.—Shafts, The sinking of Taylor's shaft has been greatly relarded, owing to the disturbed character of the hanging wall, which requires timbering. The lode has fullen off slightly in value, a bright quarta taking the place of the ore in the south end of the shaft. Our progress has been slow all wilde's shaft, but we are now making better headway. The lode has improved in a papearance.—Stopes. These have again improved, and we are now getting fair returns.—John Nute.

AUSTRALASIAN MINING.—Fortnightly report of Captair-John John, and we have timbered 18 feet, making a total of 715 feet inhered. I mentioned in my last report getting some leaders related to the stone of the s

north crossout east has been extended I foot 6 inches, total distance 65 feet; no change.

BRITISH BROKEN HILL PROPRIETARY.—Mining manager's report for the week ending February 26; Blackwood shaft. From the eastern vein in the southern part of the mine about the 100 feet level a lot of high grade ore has been broken and the faces are still looking well. We have mined from here 288½ tons ore, which have been dumped on the surface, which averaged 49½ per cent. lead and 6 ounces silver.—Howell shaft. In the far north stopes splendid faces of ore are being opened up going south, and we have holsted from here during the week 105 tons of ore, averaging 37 per cent. lead and 2 ounces silver per ton.—Surface. Good progress is being made in the erection of the mill, everything proceeding very satisfacterily.—Ore shipments. 30 trucks carbonate ore from Marsh shaft were despatched to Port Adelaide during the week. Assays of following lois (three) have been agreed with Plock 14 Company from previous deliveries, viz.:—175 tons (net), containing 35½ tons lead and 5313 ounces silver; also one lot with Block 14 Mine of this tons (net), containing 39½ tons lead and 1768½ ounces silver.—Week's assays: Carbonates. Lead from 15 to 51½ per cent and 16 to 262 ounces silver per ton.

CLUERA GOLD, (Barberton, Transvasal).—The manager, writing

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Net's assays: Carbonates, Lead from 15 to 51½ per cent and 16 to 26°2 ounces silver per ton.

CLUTHA GOLD (Barberton, Transvaal).—The manager, writing under date March 4, reports as follows:—C winze. There is no change to report here. Rock still carries visible gold in places, also considerable quantities of pyrites. Average pannings, through week, of fine gold, 8 to 9 dwts. Have not yet been able to obtain natives to continue 200 feet level.

CRESCENT.—Fortnightly report of Mr. T. G. Davey, superinteedent, dated February 28: Crescent Mine. South tunnel B towards main shoot extended 15 feet, total 399 feet. State traversed by small veins of quantz fon ovalue. Hanging wall not ret reached.—Victory Mine. Drive north of deep tunnel E on Neill's shoot advanced 28 feet, total 124 feet. Ground much softer, and intermixed with quartz leaders. Drive south of same tuncel advanced 16 feet, total 91 feet. The lode became poor at 85 feet. This shoot is, therefore, 15 feet in legth. The lode formation in end of drive is 150 feet wide, between walls, of which a portion still carries gold, although not in pyable quantities. We should, however, soon reach the second shoot of payable stone discovered at the surface. Extension of tunnel E towards western lode advanced 13 feet, total 186 feet. We have just traversed a vein of quartz 18 inches in width, which arries a little gold, and will be further developed later on. Drive lost hof tunnel G on western lode advanced 49 feet, total 159 feet, sarrying a small vein of quartz, which is alightly auriferous.—Chance M no. A man is employed prospecting on this lease, and has trenched at three points, the most easterly of the six lodes discovered on the Duesty. In two of these trenches the vein 1 foot wide, and gold is visible in the stone, the estimated value of the lode being 1 ounce of gold per ton. A tunnel is about to be driven on the course of this lode from the level of the river, and from this tunnel crossouts will subsequently be extended to intersect the other lodes.—Orlando Ni this lode from the level of the river, and from this tunnel crosscuts will subsequently be extended to intersect the other lodes.—Orlando Mise. Deep tunnel P advanced 19 feet 6 inches, total 211 feet 6 inches, Passed through a small vein of quartz. Ground much meet favourable for driving.—Erection of mill. The Pelton wheel two mortars, stamp, &c., are now in polition. The shed is also wiseled, and the roofing almost completed. Much delay, however, icased on account of the non arrival of portions of the machinery and concentrating plant. We hope to be able to start crushing dwing the coming month.

DARIEN GOLD.—The directors of the Darien Gold Mining Company (Limited) have received word from their manager that the mill has been stopped three weeks, whilst putting in new pithead fine, new Pelton wheel shaft, and new air winch and skips, which are new at work. Now renning five stamps on good grade ore. In Mr. Neakes' last letter the said the season was so dry that there was bet enough water to run more than five stamps just then.

senough water to ran more than five stamps just then.

Brown and the following is the fortnightly report, dated than generally specified than general than genera volgardis:—The main shaft has been deepened a forther distance winze north east. This level has been driven 17 feet o indust, waxing a 13 feet, total 53 feet. It has been securely timbered at the batton, and the water supply is slowly increasing.—No. 1 shaft. This has been deepened a further distance of 6 feet, total 23 feet.

Water has been met with at this depth, and sinking discontinued.

Water has been met with at this depth, and sinking discontinued.

and a start made to crosscut east for the lode.—Crosscut. This crosscut has been driven east a distance of 36 feet in soft sedimentary material, and nothing of value met with so far. No. 2 shaft has been sunk a further distance of 13 feet, total 23 feet. The country rock is of a tighter nature than it is in the other shafts.

HARRIETVILLE.—Fortnightly report of Mr. T. G. Davey, superintendent, dated February 28:—Tiddledee Mine—Bibby's new lode. Drive north of shaft 100 feet below surface advanced 9 feet, total 54 feet. Lade 18 inches wide, and valued at 12 dwts, per ton. We have passed through a small branch of ore, which was valued at 4 ounces per ton. Drive south of tunnel F extended 35 feet, total 150 feet. Lode 1 foot wide, and valued at 8 dwts, per ton. Drive north of tunnel E advanced 15 feet, total 19 feet. Lode 1 foot wide, but poor. South drive at same level extended 16 feet, total 21 feet. Lode 3 feet wide, and somewhat auriferous, but not payable. We are now driving south of shaft, 25 feet below the surface, where the lode is 18 inches wide, and valued at 1½ ounces of gold per ton. A parcel of about 30 tons is being crushed at the mill. An old pass between tunnels E and D is being repaired, in order to facilitate the delivery of the stone to the mill by tramway, instead of carting as hitherto.

KAROONGA—Eartnightly report from the mine dated March 3.

the delivery of the stone to the mill by tramway, instead of carting as hitherto.

KABOONGA.—Fortnightly report from the mine, dated March 3: North-west deep level. This drive has been extended to 332 feet 6 inches from starting point, through hard country, which now shoots well. Tenders for fresh driving contract are now being dealt with.—Top level from south-west rise. Four drives in wash dirt are now open, but progress has been slow through water difficulties. The wash dirt is 60 to 70 feet above main level.—No. 1 drive north-west has been very troublesome, temporary bursts of water and rand having much delayed operations and stopped the wash dirt work. The water, however, indicates a wide area of allovial. This drive is now standing, that it may drain.—No. 2 drive south-west is in 125 feet in slightly undulating country, giving fair prospects, and opening up an extensive field of good looking rough wash, with large water-worn quartz boulders. No. 3 drive has been opened off No. 1, opposite No. 2, and goes north-east, or in the direction of the shaft. It is in 28 feet, the bottom has risen 4 feet, but is dipping again. The prospects so far have not been quite so good as

ag andlating country. giving fair prospects, and opening up an extensive field of good looking rough wash, with a type water-wordpanrts boulders. No. 3 drive has been opened off it. No. 1, opposite No. 2, and goes north-east, or in the direction of at the shaft. It is in 25 feet, the bottom has risen 4 feet, but is dipping again. The prospects so far have not been quite so good at is in the other drives. No. 4 drive has been opened to go south-east at it he other drives. No. 4 drive has been opened to go south-east off No. 2.—Sloicing. Five machines the stein strong wash, similar to dthat in No. 2.—Sloicing. Five machines the Statistic No. 2.—Sloicing. Five machines have been selected off since the statistic of gold.—Balance shaft. Tenders are being called for extending the other shaft of the statistic normal shaft. The stein shaft of the operations started, forming continuations of studies in a question weather mostly fine.—Railway superintending engineer reports week ending February 22: Very good progress is being made with the works, and the weather has been fine until yesterday, when rain

MYSORE.—Mining operations for the fortnight ending March 16: Rowse's shaft, 1460 feet level north of crossout west. There are three stopes in the back of this level, the average width of the lode being 3 feet 8 inches, giving an average assay of 13 dw's. 1 grain.—

1460 feet level north of sump winse. The lode in the stope in the back of this level is 5 feet wide, assaying 15 dwts.—1360 feet level south of crossout. There are four stopes in the back of this level, the average width of the lode being 1 foot 7 inches, giving an average assay of 1 ounce 1 dwt, 12 grains.—1360 feet level north of crossout. The lode in the stope in the back of this level is 1 foot 6 inches wide, assaying 13 dwts. 1 grain.—1360 feet level north of sump winze north east. This level has been driven 17 feet 6 inches, making a total distance driven of 407 feet 6 inches. The rise in the back of this level has been mut up 13 feet, making a total height of MYSORE .- Mining operations for the fortnight ending March 16:

driven 6 fest 6 inches, making a total distance driven of 187 fest 6 inches. We have temporarily suspended the driving of this. There are two stopes in the back of this level, the average width of the lode being 4 feet 6 inches, kriving an average assay of 1 ounce 0 dwts. T grains.—1260 fest level north of crossont. This width of the lode being 2 fest 7 inches, giving an average assay of 1 ounce 0 dwts. T grains.—1260 fest level north of crossont. This out of 1 ounce 0 dwts. T grains.—1260 fest level north of crossont. This out of 1 ounce 1 out of 1 out total 2 feet; through rich concer ore. The levelling of machinery site has been progressing well, and a gang has been starting levelling benches for open-out preparatory to laying rails.—Progress report for week ending February 21: Hauling line. Piatelaving now entirely completed, ballasting of terminus in progress on mine side, preparing for bin foundations, bank engine in good ranning order, will erect brake.—Smelter building, Laying feed flore, completing superstructure of bins, &c.—Crasber building, Finishing off bin housing and roof over engine room, framing and erecting sampling rooms and various annexes.—Mill flore. Upper terminus against peedetal of main chimmey completed,—Babcook and Willow boilers. Brick casings in progress.—Blast fornace. Assembling wrought iron superstructures of both furnaces in place above foodlered, both batteries of lower water-jackets in place, also both bastle pipes, everything throughout coming together satisfactority.—Hot blast stoves, Front supporting piers all finished, arches over fire boxes in progress.—Furnace service tank. Completed, wattion for this level has been sunk 2 feet 6 inches, making a total distance driven of 367 feet. The boxe in progress, which linings of both hearth completed, both batteries of lower water-jackets in place, also both bastle pipes, everything throughout coming together satisfactority.—Hot blast stoves, Front supporting piers all finished, arches over fire boxes in progress.—Furnace service tank. Completed, assaying 13 dats. I grains.—329 feet level south for cossout west. This level has been driven of 400 feet 5 inches, making a total distance driven of 367 feet 9 inches.

The lode is 6 inches, making a total distance driven of 367 feet for hotes, making a total distance driven of 37 feet, The boxe in progress, entire line of excavation for hill flue to chimney about finished. Grading for permanent inclined tramway from converter floor part remeter tapping floor to crosher siding.—Lime and silica quarries. Opening-up operations started, fo This end has been driven 2 feet, making a total distance driven of 188 feet 6 inches. Health good.—B. Hancock.

MYSGRE WEST AND MYSORE WYNAAD CONSOLIDATED.

MYSCRE WEST AND MYSCRE WYNAAD CONSULIDATED.—
Tank Mine.—Half-monthly report to March 15:—South shaft, 507 levels. No. 1 level driven north on the west lode has been driven to a distance of 59 feet 6 inches, progress 13 feet. The lode is 15 inches wide, and now assays 4 dwts, per ton. A small patch assaying 2 ounces 1 dwt, was passed through. No. 2 level is driven south on the east lode. This level is now in 48 feet 3 inches, progress 24 feet 3 inches. The lode has narrowed down at this point to 18 inches but the assays width has been 3 feet of lode, worth to 18 inches, but the average width has been 3 feet of lode, worth on an average 1 ounce 10 dwts. per ton. No. 3 level is driven north on the east lode. This level is now in 45 feet 3 inches, progress 25 feet 9 inches. The lode is 4 feet wide, but is somewhat mined, and is worth 10 dwts, per ton.—450 level north winse has been sunk to a depth of 25 feet 6 inches, progress 5 feet. The quartz has divided and thinned out since last report. The lode dipping to the

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APPOI Dr. Muir Dr. Muir appointe Mining in Mr. Law Meve For and has in allected:

west is 2 feet wide, and worth 16 dwts, per ton.—450 level south winse on east lode. We have started a winze on the eastern quarts met in the 450 crosscat. This we expect to turn back, and join up with the 507 No. 2 level on east lode. This has been sunk 2 feet. Width of quarts undermined (above 4 feet), and worth 12 dwts. per ton. 450 north stope contains 3 feet of quartz, worth 4 dwts. per ton. 450 south No. 1 stope (stopped) 6 feet of quartz, worth 7 dwts. per ton. 450 south No. 2 stope 24 feet of quartz worth 18 dwts. per ton. South intermediate stope 12 feet of quartz, worth 11 dwts. per ton.—Walker's shaft is down 67 feet 6 inches, progress 12 feet. We have struck a granite cross course, which is letting down a lot of water.—Mill. The new 10 heads are running well. In the old 10 heads the Cam shaft is giving trouble. heads the Cam shaft is giving trouble.

water.—Mill. The new 10 heads are running well. In the old 10 heads the Cam shaft is giving trouble.

NINE REEFS.—Mine report for fortnight ending March 16:—Vyvyan's shaft. No. 1 stope in bottom of the 145 feet level north, quartz is 4 to 5 inches wide, assaying 5 dwts. 4 grains of gold per ton. No. 2 stope in bottom of 145 feet level north, quartz is 3 to 4 inches wide, assaying 7 dwts. of gold per ton. No. 1 stope in back of 145 feet level south, quartz is from 3 to 4 inches wide, assaying 4 dwts. of gold per ton. No. 1 stope in back of 145 feet level south, quartz is from 3 to 4 inches wide, assaying 4 dwts. of gold per ton.—Oriental lode, main shaft. Men are now engaged in cutting station plat at the 310 feet level before we commence sinking.—Baynard's shaft. This shaft is now clear 100 feet below the 185 feet level, and secured with the necessary timber.—Surface work. The erection of the new winding engine is progressing favourably.—Health. Good,

ROBINSON.—The following is the general manager's summary of operations of the company for February, together with statement of expenditure and revenue: Mine. Quartz mined, 14,075 tons.—Development. Drives, 693 feet; raises, 171 feet; crosscuts, 110 feet; total, 974 feet.—Main incline shaft (west): Fifth level. Driving west on south reef 35 feet.—Seventh level. Driving west on main reef, 49 feet; driving on south reef 15 feet.—Ninth level. Driving east and west on main reef, 62 feet; driving west on south reef, 40 feet; raise, 39 feet: crosscuts, 32 feet.—Tenth level. Driving west.—Taila. 49 feet; driving on south reef 15 feet.—Ninth level. Driving east and west on main reef, 62 feet; driving west on south reef, 40 feet; raise, 39 feet; crosscut, 32 feet.—Tenth level. Driving west—talin reef, 33 feet; driving east and west on south reef, 12 feet; aline, 37 feet.—Main incline shaft (east): Fourth level. Raise 55 feet.—Fifth level. Crosscut 29 feet.—Sixth level. Driving east and west on main reef, 60 feet; driving west on south reef, 31 feet.—Seventh level. Crosscut 49 feet.—Eighth level. Driving east on main reef, 36 feet; driving east and west on south reef, 31 feet.—9th level. Driving west on main reef 40 feet, driving east and west on south reef 78 feet.—Ith level. Driving west on main reef 26 feet, driving west on south reef 37 feet, raise 40 feet. Total 974 feet.—Mill. Stamps at work 120, net running time 25 days, tons crushed 14,075, tons per stamp per diem 46, gold won from above 8866 counces 11 dwts.—Chlorination and cyanide works. Gold won from own concentrates (by chlorination) 1038 cunces, bullion from slimes (Rand Central Ore Reduction Company, Limited) 1316 cunces 18 dwts.; from own ore 12,935 cunces 2 dwts, gold from concentrates purchased (by chlorination) 1887 cunces 3 dwts. Total 14,622 cunces 5 dwts.

EXPENDITURE AND REVENUE.

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EXPENDITUR							
Crushed							
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art to a second Chalading mine					Co	et p	er to
Mining account (including mine	£7,683	1	5	***	PO.	10	11.0
	21,000		D	***	20	10	110
Milling account (including mill	2,344	11	1		0	3	3.9
General maintenance account	-,			***	0	0	
				***	0	2	
General charges	1,000	9		***	0	-	4.0
paly:	£12,037	10	7	***	£0	17	1.2
Expenditure on mine develop-							
ment, (including main shafts)	2,734	15	4	***	0	3	10.6
Ditto on machinery, plant, and							
buildings	1,056	15	0	***	0	1	60
81/4	£15,829	0	11		£1	2	5.9
Saled Car	,						_
Retreatment account :-							
Working expenses at cyanide							
and chlorination works	2,131	3	11				
Cost of concentrates purchased							
(including receiving)	6,363	15	6				
, standard and		_	_	£	24,3	24	0
Profit for month	** ***		***		25,1	14	4
950.0					49,4	20	4 1
200				2	20,20	90	*.
	ENUE.						- 6
Gold account (mill), 8866	ee1 en7	10	3				
foounces 11 dwts,	201,097	18	0				
Sundry revenue	170	0	0	P	31.8	07	10
Value ptr		_		35,	01,0	D4 4	10

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Slimes plant account :— 2638 tons delivered ... Retreatment account :—

count (tailings), 1713

... £5,483 13 6 £5,483 13 6 £32,293 6 Carried forward ... £0,483 13 6 £32,293 6 8
BHEBA.—The following report has been received from the general
manager for the month of February: Mine. Above No. 5 level. No
work has been done in the upper levels.—No. 5 level. The west drive
was advanced 13 feet 6 inches. No. 2 south crosscut driven 16 feet Carried forward ... BHEBA.—The following report has been received from the general manager for the month of February: Mine. Above No. 5 level. No work has been done in the upper levels.—No. 5 level. The west drive was advanced 13 feet 6 inches. No. 2 south crosscut driven 16 feet 6 inches. No. 14 north crosscut driven 16 feet.—No. 6 level, Intermediate winze R was commenced, and sunk 21 feet.—No. 7 level. The east drive was extended 3 feet. No. 1 south crosscut driven 11 feet 6 inches. No. 9 north crosscut driven 16 feet.—No. 9 level. The east drive was advanced 29 feet. The west drive extended 27 feet. Intermediate winze D sunk a further 9 feet. No. 3 north crosscut driven 15 feet.—No. 10 level. The west drive extended 12 feet 6 inches.—No. 11 level. The west drive was advanced 31 feet. The east drive was advanced 5 feet. West incline shaft sunk 30 feet 6 inches.—No. 11 level. The west drive was advanced 31 feet. The west drive was advanced 31 feet. The west drive was advanced 6 inches.—Low level tunnel. The west drive on hanging wall continued 59 feet. No. 3 north crosscut commenced and driven 26 feet 6 inches.—Oriental No. 5 level. East drive No. 2 advanced 16 feet. West drive No. 2 advanced 21 feet 6 inches.—No. 5 level. Driven south 2 feet to connect with Rowe's winse.—Stopes. During the month the ore sent to the mill has been broken in Nos. 6, 8, and 9 level stopes; the two latter furnishing most of it. The month's working shows a further improvement in the value of the ore, the average produced over the plates being a fraction over 2 conces 8 dwts. per ton, which is very satisfactory, as jit is not an improvement for the month only, the value having gradually improved during the past eight months from 17 dwts, to 2 cunces 8 dwts. at this writing. The stopes between Nos. 8 and 9 levels are still showing ozoellent ore, especially the east stope, which, however, shows signs of coming into shoet ore, especially the west stope, which, however, shows signs of coming into shoet ore, especially the west shops of ore no No. 12 level

pressor placed in position. The laying of the cable for the transmission of power to drive the compressor is rapidly nearing the mine. We expect to have the balance of the plant in order before the arrival of the electrical machinery.—Electrical: Electrical plant No. 3. This plant ran steadily during the month, losing less time than during any previous month, through any cause of its own, but was compelled to shut down 30 hours towards the end of the month for want of water, caused by a fall in the tunnel of the water race and a slight injury to the turbine gates, which has been repaired, and the plant is working as usual.—Electrical plant No. 3. At the generating station the foundations have been laid for the extension of the present plant, and the generating house has been enlarged to accommodate the same. The foundation for the 110 horse-power motor, to drive the air compressor, has been laid, and all is in readiaccommodate the same. The foundation for the 110 horse-power motor, to drive the air compressor, has been laid, and all is in readiness for the electrical machinery.—Surface works. The rebuilding of the assay office and smelting departments has been completed,—Oriental water race. The masonry wall from the intake of the Oriental race to a point 350 feet down the river was completed during the month, and I now consider the race safe from floods.

NUNDYDROOG. — Thomas Richards, report for the fortnight ending March 14; Kennedy's shaft. The water was drained by the 9th instant, and work was at once resumed in the bottom levels. The '700 feet level north has been driven 12 feet 6 inches, total distance 47 feet 6 inches.

The lode, 2 feet wide, assays 5 dwts, of

The 1700 feet level north has been driven 112 feet 6 inches, total distance 47 feet 6 inches. The lode, 2 feet wide, assays 5 dwt. of gold per ton. The 700 south has been driven 13 feet 6 inches, total distance 43 feet 6 inches. Lode 5 feet wide, assaying 6 dwts. 6 grains. The 600 north has been driven 13 feet 9 inches, total distance 423 feet. Lode 1 foot wide, assays a trace of gold. A rise has been commenced in the back of this level at 400 feet from the shaft, and has been put up 12 feet 6 inches. Lode 3 feet wide, assays 3 dwts. 18 grains. A crosscut west has been put up 17 feet from the present end of the 600 south at 345 feet from the shaft. Stringers of quartz have been intersected, assaying a trace of gold. In two stopes in the back of the 520 north, the lode averages 6 feet in width, and 11 dwts, 6 grains in assay value. The lode in the stope in the back of the 440 north is 10 feet wide, and assays 16 dwts. 6 grains. The 440 south has been driven 17 feet, total distance 1345 feet 6 inches. The 440 south crosscut west has been extended 12 feet 3 inches, total distance 120 feet. No change. The lode in two stopes in the back of the 370 north averages 2 feet 3 inches in width, and 1 cunce 11 dwts. 6 grains in assay value. The 370 north crosscut west has been extended 19 feet, total distance 487 feet 6 inches. No change. In the stope in the back of the 370 south the lode is 7 feet 6 inches. extended 9 feet, total distance 487 feet 6 inches. No change. In the stope in the back of the 370 south the lode is 7 feet 6 inches wide, and assays 2 ounces 10 dwts. The 300 north has been driven 12 feet, total distance 370 feet. Lode 1 foot 6 inches wide, assays 3 dwts. 18 grains. The 300 intermediate level north has been driven 10 feet, total distance 18 feet 6 inches. The lode consists of stringers of quartz, assaying 4 dwts. 9 grains. In the 300 north back stope the lode is 3 feet 6 inches wide, and assays 1 onne 2 dwts. 12 grains. The 230 north has been driven 4 feet 6 inches back stope the lode is 3 feet 6 inches wide, and assays 1 conce 2 dwts, 12 grains. The 230 north has been driven 4 feet 6 inches, total distance 373 feet 6 inches. The lode, 3 feet 6 inches wide, contains a trace of gold. In the 230 north back stope the lode is 8 feet 6 inches wide, and assays 6 dwts. 6 grains. The 230 south has been driven 11 feet, total distance 272 feet 6 inches. Lode 1 foot wide, assays 2 dwts, 12 grains. The 230 south rise has been put up 9 feet 9 inches, total height 71 feet 3 inches, and has communicated with the 160 level south. The lode in the stope in the back of the 160 north is 4 feet 6 inches wide, and assays 7 dwts, 12 grains. The 130 south has been driven 6 feet 9 inches, total distance 444 feet 9 inches. The lode 1 foot 6 inches wide, assays a trace of gold. The 95 north has been driven 3 feet 3 inches, total distance 16 feet 3 inches from the top of the rise. Lode 3 inches wide, assays 2 dwts, 12 grains.—North shaft has been sunk 3 feet 6 inches, total depth below the 600 feet level 44 feet. Lode 3 foet wide, assays 6 dwts, 6 grains,—New shaft has been sunk 11 feet, total depth below surface 81 feet.—Main shaft. The 1160 feet level north has been driven 6 feet 3 inches, total 44 feet. Lode 3 feet wide, assays 6 dwts. 6 grains.—New shaft has been sunk 11 feet, total depth below surface 31 feet.—Main shaft. The 1160 feet level north has been driven 6 feet 3 inches, total distance 25 feet 6 inches. Lode of no assay value. Driving the 1160 south has been suspended.—The 1080 north has been driven 11 feet 3 inches, total distance 384 feet. The lode 4 feet wide, assays 5 dwts. The 1080 north winze has been sunk 7 feet 6 inches, total depth 31 feet 6-inches. Lode 5 feet wide, assays 1 ounce 1 dwt. 6 grains. The 1080 north rise has been put up 10 feet 6 inches, total height 81 feet. A crossout is now being driven westward 'from the top of the rise for the purpose of effecting a communication with the 1000 feet level. In the 920 north back stope the lode is 5 feet wide, assaying 8 dwts. 18 grains. The lode in the 920 south back stope is 6 feet wide, assaying 7 dwts. 12 grains; In the stope in the back of the 840 south the lode is 6 feet wide, assaying 7 dwts. 12 grains; The 680 north has been driven 13 feet 3 inches, total distance 559 feet. Lode of no assay value. The 520 north has been driven 22 feet 6 inches, total distance 457 feet. The 370 north has been driven 10 feet 3 inches, total distance 457 feet. Lode of no assay value.—Taylor's shaft. The 1240 north has been driven 13 feet 6 inches, total distance 251,feet 6 inches. Lode of no assay value. In the level south a crossout east, at 200 feet from the shaft, has been commenced, and has been put out 10 feet 6 inches. No further portion of the lode has yet been met with. The 1160 north white has been sunk 11 feet 9 inches, total depth 32 feet Lode 1 foot 6 inches wide, assays 2 dwts. 12 grains. In two stopes in the back of the 1000 north the lode averages 3 feet in width and 4 dwts, 16 grains in assay value. In the stope in the back of the 200 north the lode, assaying 5 dwt. in the back of the 1000 north the lode averages 3 test in width and 4 dwts, 16 grains in assay value. In the stope in the back of the 920 north the lode is 2 feet inches wide, assaying 5 dwts, 15 grains. The 840 south rise has been put up 7 feet, total height 16 feet 9 inches. Lode 6 inches wide, assays 5 dwts. In two stopes in the back of the 840 north the lode averages 2 feet 9 inches in width and 12 dwts, 12 grains in assay value. In the 600 north stopes in the back of the 840 north the lode averages 2 feet 3 inches in width and 12 dwts. 12 grains in assay value. In the 600 north back stope the lode is 3 feet wide, assaying 11 dwts. 6 grains. The lode in the 520 north bottom stope is 3 feet wide, and assays 1 ounce of gold per ton. In the stope in the back of the 520 north the lode of gold per ton. In the stope in the back of the 520 north the lode is 3 feet wide, and assays 8 dwts. 18 grains, and in the 230 south back stope it is 2 feet 6 inches wide, assaying 10 dwts.—Old mill samples. Palp 1 ounce 1 dwt. 6 grains. Tailings 3 dwts. 3 grains.

New mill samples. Palp 1 ounce 10 dwts. Tailings 4 dwts.

BREMNAES .- The following report has been received from the manager, Mr. Daw, dated April 2: Risvig Mine: 400 feet level north, Communication was made yesterday in the end of this level with the winze sunk from the level above, and to-day we began to with the winze sunk from the level above, and to-day we began to stope on the section of ground thus opened. The quartz varies from 10 to 15 inches in width, and has a mill value of between 5 and 6 dwts. to the ton.—300 feet level north. The lode is nearly 5 feet wide, showing strings of quartz. In the rise and stope cut through by this level the quartz is 10 inches wide of good quality.—200 feet level south. Here the lode is entirely squeezed out, but we have good reason to believe that it will soon resume its productiveness again. In the level above the 100 feet level the quartz is 20 inches wide, having a mill value of about 3 dwts. to the ton. We believe the value for gold will soon improve. Other places no alteration.—Gapleskog. The lode in bottom level is 4 feet 6 inches wide, carrying 8 inches of quartz which mills about 7 dwts. In the new stope the quartz is 10 inches wide of same value, while the old stope shows no alteration.—Fladennes. There is no improvement in the sink, but as the walls are intact we hope a change will soon take place. We have nine men sinking and six driving the level from place. We have nine men sinking and six driving the level from main shaft so as to hasten the connection.—Surface. We are milling the accumulated quarts from Fladenee, also from Risvig, and judging from the amalgam taken from the plates we think the pre-

cent creating will show an improvement on the last.

CROWN UNITED.—The following is from the manager at the mine, dated February 29:—Since my last report the main tunnel has been extended a further distance of 53 feet, making total distance 510 feet. I have 30 feet more to drive to get under the first workings, which I reckon to have complete by March 4. I will then start to put up the rise to get a connection, which I expect to have complete in about three weeks from date. Water shaft is now down complete in about three weeks from onte. Water share is now down 110 feet, having been sank 10 feet the last week. Progress here is rather slow on account of the ground being so bad; it is very rotten, and we cannot rush it, but at the present rate of progress we shall be down the required depth in about four or five weeks time.

There are about 500 tons of quartz on hand all ready for the batter, which I think will crush very well indeed, and there will be no difficulty in keeping the battery going when once we start. Asseed as the machinery arrives I will make every effort to place it in position.—John Lapham, mavager.

TRUE BLUE (Hannan's).—Mine manager's report for the fortnight ending March 3:—No. 1 main shaft. The shaft has been centred and double whip gear erected, and winding with new gear commenced. The north-east crosscut has been extended a further distance of 15½ feet, total driven from shaft 84 feet. The southwest crosscut has been extended 35½ feet, total from shaft 75 feet.—Intermediate level, underlie shaft. The winze below the level has been sunk to a depth of 38 feet. The vein will average 10 inches in thickness, and has improved in quality in the sinking, as per assay report and sketch plans. Shaft A has been stand further depth of 18 feet, total from brace 60 feet.—Jubilee section, Jubilee shaft. The south-west crosscut has been extended 14 feet, total driven in this direction 32 feet.—Shaft B. The south driven been extended 45 feet since the last report, total driven from cross. Judice shaft. The south-west crossout has been extended 14 fee, total driven in this direction 32 feet.—Shaft B. The south drive has been extended 45 feet since the last report, total driven from crossout 85 feet. The last 40 feet of driving has passed through a similar class of country to that driven at the 50 feet level in the Judice shaft; stringers in broken formation, and carrying only a trace of gold. I have in consequence suspended all work in the end, and put the men in the north drive to complete their contact, In the event of the prospects not improving during the progress of this contract, I shall suspend all work on the lode at this level, say that the men crossoutting north-east from this shaft to ascertain if a lode formation exists between this point and point A marked in sketch plan, which is the western boundary of the True Blue section of property.—General. 166 feet lineal of exploratory work has been accomplished. The ground in each of the crossouts continues of a favourable character for carrying gold-bearing lode. The best pannings from the formation in winzs give only a trace of gold. The double-action whip, which is the first of its kind erected on these fields, enables me to clear the crossouts of mullock with great speed. I hope during the next fortnight to finish with all surface windlass work.

on these fields, enables me to clear the crosscuts of mulicek with great speed. I hope during the next fortnight to finish with all surface windlass work.

YERRAKONDA.—Fortnighly report of Captain M. Scantlebery, mine agent, dated March 18: South shaft. The 255 feet level south has been extended 22 feet 6 inches, now 97 feet 6 inches from shaft. The lode is 6 feet wide, composed of dark blue quarit, assaying 6 dwts, 8 grains of gold to the ton. The lode looks very promising. The 255 feet level north has been extended 25 feet 6 inches, now 98 feet from shaft. The lode is still in a disturbed state. We have removed this drill to cut out the lode behind the 255 feet level south preparatory to sinking a winze below this level.

state. We have removed this drill to cut out the lode behind the 255 feet level south preparatory to sinking a winze below this level,—Trial shaft north-east of Beresford's. This has been sunk 26 feet, now 52 feet from surface. The lode is 3 feet wide, 1 foot 6 inches of which is quartz, assaying 6 dwts. of gold to the ton.

DURBAN-ROODEPOORT.—The operations during February resulted as follows: Tons milled. Block 2, south reef, 6400 tons; block 1, main reef, 1195 tons; block 1, south reef, 410 tons; total 8005 tons, producing 3800 cunces. Tailings treated, 4960 tons, producing 1482 cunces; total, 5282 cunces.—Block No. 1, 360 feel level east drive, main reef, was driven 19 feet 6 inches.—Block No. 2. 6th level, south leader, east winze, 47 feet; 7th level, south No. 2. 6th level, south leader, east winze, 47 feet; 7th level, south leader, east rive, 13 feet 6 inches; 8th level, south leader, east drive, 13 feet 6 inches; below 7th level, south leader, east drive, 9 feet 6 inches; below 7th level, south leader, east drive, 9 feet 6 inches; below 7th level, south leader, east drive, 13 feet 6 inches; 8th level, south leader, west of shaft, 6 feet 6 inches; 8th level, south leader, west of shaft, 40 feet; 8th level, south leader, west of east winze, 4 feet; total, 105 feet; 8th level, south leader, east of east winze, 4 feet; total, 105 feet;

102 feet.

HANNAN'S NAPIER.—The following report has been received from the manager at the mine, Kalgoorlie, W.A., February 29.—Report of progress for the fortnight ending 27th lost. Chaft north crosscut extended 30 feet, total from shaft of 55 feet, the face being now in decomposed country rock. Since passing through north crosscut extended 30 feet, total from shaft of 55 feet, the face being now in decomposed country rock. Since passing through gold-bearing formation a number of small leaders of quarts dipping north has been passed through. These all carry a little fine gold. Have started to crosscut east from C shaft. This is now in 5 feet. This crosscut should intercept the Maritana lode, and I expect some important developments after we have got in a sufficient distance from the shaft. B shaft south crosscut driven 4 feet from shaft, making a total of 22 feet. The face being in hard blue rock, with barren quarts, I have stopped this end, and have the men working on the east crosscut from C shaft. A shaft south crosscut has been extended 32 feet, total from shaft being 35 feet. We passed through a quartz reef 3 inches in width, and running cast and west. Underlaying a little to the south. It is poor, carrying only a little fine gold. In the event of the ground continuing as at present I hope to complete the connection between the three shafts dering hope to complete the connection between the three shafts derig the coming fortnight, and as this will give splendid ventilation I shall be enabled to open out at any desired point,—(Signed) Robert

CHAFFERS.—Fortnightly report from Messrs. Bowes-Scott and Co., resident engineers, No. 1 shaft. The crossout east from this shaft has been extended 6 feet, making a total of 81 feet from the shaft. The ground continues hard.—No. 4 shaft. The crossout west from this shaft has been extended 12 feet. Total 40 feet 6 isoba from the shaft. The country passed through consists of micacess clay intermixed with ironstone.

GREAT BOULDER MAIN REEF.—Work done for fortnight

GREAT BOULDER MAIN REEF.—Work done for forbigs ending February 29: West shaft 70 feet level. South drive extended 25 feet on course of main lode. Total length of drive from ask crossout 172 feet, Lode looking much better than last report, carrying fine gold and visible gold in places, stone making strongs to bottom of drive. E ist shaft 70 feet level. Resumed work in crossout going east from above shaft, drove 26 feet, cut several small leaders, some carrying little gold. Total length of crossout 43 feet.—Main shaft. Sank 7 feet, total depth 11 feet, cut diorite close is surface. I consulted Mr. Furman on the matter and he instructed me to suspend work here for the present.—West shaft 70 feet level. Cut wince plat about 5 feet from west boundary in west orosest; Out winze plat about 5 feet from west boundary in west crosses; men now engaged timbering same; will start to sink on lodeformation next week.—Surface work. Two men engaged four days making windlass and stands for main shaft and winze.—(Signed) J. March,

nest week.—Surface work. Two men engaged four days mands windlass and stands for main shaft and winze.—(Signed) J. March, mine manager.

MEYER AND CHARLTON.—Report for the month of Februsty: Mine. Number of feet driven, sunk, and risen, 321 feet; ore opend up by development, 7066 tons; quartz mined, 6663 tons.—Mill. Number of days (24 hours) working 60 stamps, 27 days; ore crushed, 6663 tons; yield in smelted gold, 2219 ounces 12 dwtz.; yield pst ton, 6 dwts. 15:898 grains.—Gyanide works. Tailings treated, 4995 tons; yield in bullion, 789 ounces 5 dwts. 12:120 grains; yield per ton treated, 3 dwts. 3:488 grains; working cost per ton treated, 3c. 8:120d.—Expenditure and revenue. Working expenditure. In mining (including maintenance), £1376 1 17s. 10d.; transport, £736s.; milling (including maintenance), £1434 9s. 7d.; cyanide works ditto, £967 11s. 7d.; general charges, £907 16s. 3d.; miss development account, £999 9s; profit for month, £2429 8s.; ital. £10,573 18s. 3d.—Revenue. By gold accounts. £219-600 ounces from cyanide works, at 60s. per onnce, £2667 17s. 8d.; rents. £49; total, £10,573 18s. 3d.—Working costs. Mining expenses, 10s. 5:661d. per ton; transport, 2:640d. per ton; general charges, 2s. 8:699d. per ton; maintenance (mine, mill, and oranifa works), 1s. 10:905d. per ton; mine development, 3s. 0:000d. per ton; otal working costs. £1 4s. 5:364d. per ton; value of yield. £1 1s. 7:105d. per ton; profit, 7s. 1:741d. per ton.—Expenditures total working costs. £1 4s. 5:364d. per ton; value of yield. £1 1s. 7:105d. per ton; profit, 7s. 1:741d. per ton.—Expenditures total working costs. £1 4s. 5:364d. per ton; value of yield. £1 1s. 7:105d. per ton; profit, 7s. 1:741d. per ton.—Expenditures total working costs. £1 4s. 5:364d. per ton; value of yield. £1 1s. 7:105d. per ton; profit, 7s. 1:741d. per ton.—Expenditures total working costs. £1 4s. 5:364d. per ton; value of yield. £1 1s. 7:105d. per ton; profit, 7s. 1:741d. per ton.—Expenditures total working costs. £1 for development, so once to the same at the

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CRIPPLE CREEK, COLORADO.

(BY OUR OWN CORRESPONDENT.)

Within the past few weeks the writer has received several letters from England, of which the following is a sample:
"We have enquiries for mining properties in Cripple case, our clients wishing to buy for cash up to \$50,000 in each case. If you can send us any proved claims, or partly developed or worked mines, we will be glad to negotiate with you. We must have an option on any property sent us, for a sufficient length of time to enable us to conduct the negotiations. Particulars sent should be as full as possible."

The following are the facts of the present situation as to Cripple orest:

No owner of property of merit, such as would bear the strictest investigation, and could, therefore, be recommended, will give an option affording the necessary time for its being submitted by mail to London, there considered, an expert sent out, his report awaited in London, and a decision finally arrived a, involving altogether a period of two or three months. No property worth consideration can be held even for a limited period without a substantial cash

can be need even as a large partial without a substantial cash deposit. The owner of a really meritorious property willing to take a masonable price does not have to wait a week, as there is an increasing stream of capitalists, practical mining men and others, from every part of the United States and beyond the sea coming to Oblorado with the necessary money at immediate command, to parchase anything good on the spot.

Generally speaking, at the present time, nothing of real merit as to present or prospective value and clear title in the Cripple Creek district can be obtained at such a price as a sensible man would give, looking to ore production for his profits. Several sales of daims to English operators have been recently reported in Colorado sperr, and the alleged prices paid are either gross exaggerations, of the purchasers possess the kind of faith which is said to remove mountains.

or the purchases person in acquiring mining property is merely to mentains.

If the object of a person in acquiring mining property is merely to use the magic name of Cripple Creek to conjure with, to secure a property irrespective of its probable value, organise a stock company, and by catering to the gambling propersity make his profits eat of the stock unloaded on credulous and excitable people with mere money than sense, that is another proposition altogether. That has already been done to a considerable extent by American operators to make similar "quick turns" before the "boom" side of Cripple Creek bursts, and the district settles down entirely to legitimate business as the leading gold-producer of Colorado, as at sevent it actually is.

of Cripple Creek bursts, and the district settles down entirely to lightmate business as the leading gold-producer of Colorado, as at present it actually is.

"A preminent and practical Cripple Creek mining man, who is developing his own claims with his own money, and has nothing to still, informed the writer a few days ago that, in his opinion, the "boom" part may possibly last through the coming summer, that the owners of questionable and indifferent property hope to unload at fancy prices during the "boom," after which the district will become staid and conservative like Gilpin, Clear Creek, Boulder, Leadville, and other places where bona fide mining on a business hais is practically the one industry, and mere mining in offices and or paper is discountenanced.

As a matter of fact, there are in Cripple Creek dozens of good cre-shipping, profit-making mines; there are secres of partially-developed properties, which, by capital and good management, will be developed into ore-shipping, profit-making mines, Many of these preparies belong to stock companies managed by thoroughly competent and honourable business men. But there are hundreds of properties and companies trading on the name and fame of Cripple Creek, which, for a variety of reasons, will never amount to anything, and this is naturally the class of property most easily obtainable by those outsiders whose minds have been more or less affected by the outsiders whose minds have been more or less affected by the property are naturally the people who foster the mistaken idea that it is sely necessary to sink anywhere in the district to find gold in anyles quantities, that as a gamble every patented claim where no signof gold exists is worth \$5000, some say as high as \$15,000. The mai sheat of Cripple Creek will remain when this kind of chaff has here away.

The "boom" part of Cripple Creek has received somewhat of a light of the property and the service of the property.

sety sceesary to this anywhere in the district to and gold any ping quantities, that as a gamble every patiented claim when the sold of the ping of gold crists is with gold and the properties of the properties. The "boom" part of Cripple Creek has received somewhat of a check since the New Year from the following causes, —The book of the check since the New Year from the following causes, —The book of the check since the New Year from the following causes, —The same still holding any the check since the New Year from the following causes, —The same still holding any the part of the same that the same still holding any the part of the same time last year. He was any to the same time last year begins of the same time last year. The present year of two before Christmas, and are still holding any the best apprised of any the properties. With very few exceptions, the same time last year to figure of the copy of chird opper during the same properties. The present year of the copy of the check should be same time last year. The same time last year to figure of the copy of chird opper during the same properties. The present year of the copy of the check should be a same time last year. I shall s

APPOINTMENT OF PROFESSOR OF MINING AT KIMBERLEY.—
Dr. Mair, acting as head of the Education Office at Cape Town, has appointed Mr. James G. Lawn, of London, to the Professorship of Mining in the College at Kimberley, the salary being £800 a year.
Mr. Lawn has acted for some time as chief assistant to Professor Le Bres Foater, of the Royal College of Science, He is a young man, and has had a brilliant career as a scholar. He was one of three seated for the post by Professor Jamieson, of the West of Sociland Technical College.

METAL CIRCULARS.

MESSES. JAMES LEWIS AND SONS monthly report on ores and metals, dated Liverpool, April 1, states: Copper. The good effect of exceptionally large deliveries of good merchantable copper from the stock has been neutralised by the large shipments from the United States to Europe, and by the unsettled state of European politics and of American finance. While the absorptions of copper by Europe is extraordinary, the consumption in the United States so far shows only a moderate increase on that of last year, while the production has increased considerably. As 325 tons of Ohlit bars have been shipped from here to New York, and it?s stated that a further quantity is being shipped from the United States had left American consumers short of supplies. From £16 1s, 3d, for cush on the 37d uit, good merchantable copper feel to £14 5s, on the 12th, recovered to £5 18s, 3d, on the 18th, when the large decrease in the stocks was known. The advance inducing realisations, a fall to £3 th, followed by another fall to £44 12s, 6d, on the 27th. Values have since improved, and the closing value to day is £15, socks again showing a large reduction. As a result of the reduced stocks, the quantity of cash copper on the market is very limited, and the premium for three months' promot is reduced to 2s. per ton: Lower prices on this side caused a fail in the New York quotation for Like copper, from 11% to 11 cents, and this in turn led to a further fall here, which was reflected in a further decline in New York to 10% cents. The Daliv Metal Exchange, where 'quotations on copper are made simply for the effect which they may have upon the outside market, offers were made simply for the effect which they may have upon the outside market, offers were made to sell copper for July delivery as low as 10°25 cents." As an instance of the quantity of copper required for the transmission of power by electricity, it is stated that in the long distance plants installed by the General Electric Company in the United States during 1955 over 1700 miles of

Chili exports to March	31 are:	-				
Exported to January 31 Loading on do.	1891. 937 519	1892. 2,315	1893. 432 598	1834.	1895. 1,667	1896. 2,163
Chartered to March 31		3,443	3,573	3,431	2,831	3,878
			-		-	

Coald 77s. 9%d. per ounce standard. Silver opened at 31%d., advanced to 31%d., and closes at 31%d., per ounce standard. Silver opened at 31%d., advanced to 31%d., and closes at 31%d., per ounce standard. Quicksilver from second hands is quoted at £6 15s, 6d. per bottle. Sulphate of copper has sold at £18 to £185s, per ton. Lead £115s, per ton for English, soft Spanish £11 is, 3d, rich in silver £11 7s. 6d, to £12 5s, per ton, or e of 70 per cent. £4 13s, 10d, per ton and fine silver value. Antimony steady at £30 per ton. Nickel offers at 1s, 1d, to 1s. 2d, per lo net. Tin is without change at £30 10s, for cash. Bank rate of discount remains at 2 per cent.

Messrs. Harringforn and Co's copper report, dated Liverpool, April 1, says:—Ohili charters for the second half of March are advised as 17.0 tons, against 590 tons for the previous fortnight, making £250 tons for the month. The total since December 31 last is 6050 tons, and the quantity same time last year was 4450 tons. Exchange 173d. Since our last the market for G.M.B.'s has been fairly active, about 13,000 tons changing hands at from £45 17s. 6d. cash and £45 5s. 9d. three months down to £41 1s. 3d. and £44 1ss. 9d. respectively, closing to-day with buyers of cash at £35 and sellers of three months £45 6s. 3d. The price of Lake copper is nominally 10.75 cents per lb. The total stocks in Liverpool, Swanses, Lordon, and Havre are 35,830 tons, against 37,875 tons on the 17th ult., showing a secresse of 2054 tons for the fortnight, which, with a decrease for the previous fortnight of 1606 tons, makes a decrease for the month of 3851 tons. The sicons in the 17th ult., showing a decrease of 1052 tons. The month's figures show a decrease of 3439. Refined and manufactured corts are steady. Quotations being:—Tough cake £43 10s. to £39, loadian sheet £35, strong sheets £55, and yellow metal sheets 445 d. per lb. The sales of furnace material comprise 135 tons argentiferous and auriferous Maxican matte on private terms, 200 tons. American matte at 9s. 7%d. per unit.

	ons n	ne.	Tons fi	ne.		
Import of Chili copper during the past fortnight	561	against	763	same time	last	year
past fortnight	2,653	+9	212		91	
Import of other copper during the past fortnight	2,821	09	1,334	99		
past fortnight	2,673		1,808		94	

	Chili bars	£45 0s. 0d.	cash an	nd ?	50	45 79.	6d. c	ssh and months	1
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	Regulus or matte.	7s. 6d. to		***			s. to 8:		
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	Arrivals here during th	ie fortnight of							
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	, incli	ding	Rouen	and Dun	kirk	786	99	270	83	
Stock of c	unkir	k	****	0200001-0000		1701	98	633	19	
Stock of for to				and ch		3124	48	2501	24	

Bank rate of discount. The rate has remained at 2 per cent. since Feb. 22, 1891.

Mesers, Henry Barn and Son's copper report, dated April 2, has the following :—The Chili charters for the last half of March are advised as 1700 tone, making 2250 tons for the whole month. The latest Exchange is 1754nd. The market after dropping to 425 cash by the 18th uitlime, began to puil up on the good deliveries being made at Liverpool until 488 16s, 3d, was reached on the 25th uitlime. The following day on the decline in the New York price and the unfavourable news from South Africa, the price went down about 19s., a similar drop being registered on the next day. On the 30th forward capper was pressed 'for sale in various quarters and 424 18s, 3d, was accepted, each parcels, however, fetching 484 18s, 3d. There has been a general advance since' and we closed last night buyers of cash as 435. This morning a moderate business was done at 425 t. 3d. cash, 435 cs. 3d. forward, with buyers over of tha former, the market remaining closed until Tuesday next, the 7th instant, for the Easter bolidays. Consumption is still very good, and is apite of the very heavy shipments from the United States we would draw attention to the large reduction in both the stocks and the visible supply. The price of Lake copper

in New York is now 10 75 cents per lb. nominal. The shipments for the past month were 10,843 tons. The arrivals and deliveries at Hamburg, Rotterdam, and Antwerp during the past fortnight amount to about 3718 tons. The imports of American copper into England have been 1537 tons, and into France 621 tons or 2157 tons against 1465 tons last year. Total actual deliveries for the fortnight have been 9039 tons against 6934 tons imports. The stocks have discreased 2045 tons. Total visible supply shows 40,821 tons against 41,075 tons last fortnight. There have been no transactions in furnace material reported since our last.

	nd and France	e. Im	ports. D'liv	r's. Stocks.	& Char- vi	otal sible
hili copper at	Liverpool.	Swanse,	EC1 0.00			
and in Frantoreign copper Australian au	er in Londo	n, chiefly	551 2,73		3,150 3	
oreign coppe Australian as merican coppe and Swansea	erat Liverpor	ol, London,	740 97			1,989
and Swansea	t Liverpool	. O	1,537 1,60	9 578		578
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Tons fine c	opper during	the fort	5,994 9,03	9 35,830	4,250 4	0,080
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otal visible su Price of C 52 17s. 6d., £4	pply, April 1 hili bars as 18 7s. 6d., £40	me date-	-£39 12s, 60 0 3s, 9d , £39	124.80; d., £41, 4	. 58,836 5 £45 50 , £	7.033
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January 1	America to date	from 11,1	21 10,857 91, 1890,	9,605	. 8,149 1848.	7,1 4
mports from	Chill and I	Rollivia				
from Janu mports from January 1	n America to date	from 9.1	86 6,069		. 10,214	
The shipmen	ts to Europe	from Am	erica from	January 1	to date are	7,464
The shipment ons as against The shipmen	14,196 for conts affort from	rrespondin n America	g period last are estimate	year.	ns.	.,
ImportsTi	he arrivals fr	rom the We	est Coast has	ve been as fo	llows : -	
At Bwansea-	Nil.	Ore	s, Regulus.	sars. Ingots	. Barilla.	
At Liverpool -						
Potoss (a)	from Valpara	1150, &C. E	·	368 50 .		
Spirit of the Me	orning	*** ***		30 .		
in France-Ni		-	· -	468 80 .		ine
-	Tons	- make			= 561	
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**	20	1893 75	U	101	= 301	. 95
80	n estimate th	1892		735	= 73	
Ottoble W.	e estimate th	se present s	wallable qu	antities of \	West Coast o	opper
Stocks,-We		Ores.	Regulas.		ngots. Bar	
to be:-		1910				
At Swanse	001	10		29,585		= '
At Swanse	001	10	= :::	29,585	171	50
At Swanse	ool		··· = ···	29,585	560	-
At Swanse Liverp In France	about 30,989	10 tons fine o	= :::	29,585 180 30,188 at 33,144 tor	731	80
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tured, about £36; best selected, about £39 10s. to £50; India sheets, about £33; G.M.B. copper. £45 1s. \$d. cash and £45 8s. \$d. three months.—Sulphate of copper. Quotations a little easier at £38 to £39 cash and forward.—Thi quiet, closing at £30 7s. \$d. cash, £61 three months.—Spelter about £15 10s.; English about £15 8s.; biend or 50 per cent. is worth about £15 10s.; English about £15 s., better about £15 s. \$d. —Lead about £11; with silver, 50 to \$0 cunces, about £15 to £11 10s.; lead or a 670 per cent. is worth about £3 per ton.—Pig fron, Closing quotations for Soutch pigs are 48s. \$d.; Middlesborough, 38s. 356d.; hematite, 48s. £36d. cash.—Antimony quiet; star regulus about £30; cre. £8 for 50 per cent. good quality and produce; crude about £4 per ton.—Quieksilver. The official price is £6 17s. \$d.; seconds, is, 5d. less.—Bar silver, 3156d. per ounce standard.—Discount. The Bank rate remains at 2 per cent.

TIN TICKETING.

THE fortnightly ticketing for tin ores was held at Tabb's Hotel,
Redruth, on Tuesday. Result:—
VALUES OF ORES SOLD FROM EACH MINE.

	VALUE	S OF ORE	25	SOL	D FR	DM)	SAC	H	MINE.			
		2	tons	CWI		Per	tor	n.		V	alue	
	Mines					2	8.	d.		E	8.	d
	Dolcoath No. 1		14	0	*****	87	8		*****	521	10	0
	do No. 1a	*********	14	0		36	17	6	******	516	5	U
	do No. 1b		12	0	*****	36	12	6	*****	439	10	0
0	Wheal Grenville A		15	0	*****	38	10	0	*****	577	10	0
	do E		15	0		38	2	6	*****	571	17	6
	East Pool A	*********	14	0		28	2	6	*****	393	15	0
		*******	13	0	*****	27	10	0	*****	357	10	0
	do No 2 .		1	10		11	12	6		17	8	9
	Tincroft		11	0	******	31	17	6	******	350	12	6
	do		10	0	******	31	17	6	*****	318	15	0
6	do		2	0	*****	11	12	6	*****	23	5	0
0 6	Basset Mines No.		9	0	******	38		0	******	348	15	0
6	do No. 1a.		8	0	******	39	0	0	******	312	0	0
	do No. 2 .		A	10	****	26	-	Ö	******	118	2	6
3.	Carn Brea No. 1 .	*********	8	0	*****	32	12	6	******	261	0	0
ĸ	do No. la .	*********	9	0		32	17	6		263	0	0
	do No. 2		9	0	*****	21	0	0	*****			90
			1.4	-	*****		-		*****	21	0	0
	110 . 771	********	14	0	*****	37	0	_	*****	518	0	0
		**********	13	0	*****	38	15	0	*****	503	15	0
	Phoenix United No		9	0	*****	37	2	6	*****	334	2	6
_	do No. 2 .		2	10	*****	32	7	6	*****	80	18	9
n h	West Frances		9	0	*****	33	17	6	*****	304	17	6
	South Condurrow .	*******	7	0	******	38	7	6	*****	268	12	6
1.									-		-	-
d			214	10					£	1422	2	6
r	Assess	Aca Day	vm 1	Dames.	Ton	Por	10	_	0.3	7	-3.	15

AVERAGE PRICE PER TON, £35 12s. Od.

WE are requested to state that certificates in regard to all transfers lodged up to March I, 1896, are now ready for delivery at 15 and 16, George-street, Mansion House, E.C., in the following companies:—Black Reef Proprietary Company (Limited), Knight Central (Limited), Bultfontein Star Diamond Mining Company (Limited), Main Reef Gold Mining Company (Limited), Main Reef Gold Mining Company (Limited), Marievale, Nigel Gold Mines and Estate (Limited), Bantjes Consolidated Mines (Limited), Riand Central Ore Reduction Company (Limited), Johannesburg City and Suburbant Tramway Company (Limited), Treasury Gold Mines (Limited), Vogeletruis Consolidated Deep (Limited), West Rand Mines (Limited), Standard Diamond Mining Company (Limited).

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PROVINCIAL SHARE MARKETS.

THE CORNISH MINE SHARE MARKET.

THE CORNISH MINE SHARE MARKET.

Mr. MICHAEL WILLIAMS BAWDEN, Mining and Assaying Offices, Liskeard, Cornwall, writes (April 9):—The osual quietude has pervaded the market during the holidays, and business almost suspended; but to-day there is some inquiry for shares at present low prices. Quotations:—Basset Mines (£1 paid), 1½ to 1½; ditto (2s. 64. paid), ½ to ½; Carn Brea, 8s. 64. to 10s.; Devon Consols, 1 to 1½; Dolcoath (£1 paid), 16s. to 16s. 6d.; ditto (5s. paid), 4s. to 5s.; East Pool, 2½ to 2½; Killifreth, 6s. 6d. to 7s.; Levant, 4½ to 4½; Polberro, 10s. to 11s. 63.; Tincrofr, 16s. to 17s. 6d.; West Kitty, 2½ to 2½; Wheal Grenville, 6½ to 7; Wheal Kitty, 5s. to 6s.; Wheal Metal, 3s. 6d. to 4s.

Messrs, Abbott And Wickett. Stock and Share Brokers and

Wheal Metal, 3s. 6d. to 4s.

Messrs. Abbott and Wickett, Stock and Share Brokers and Mining Share Dealers, Redruth, write under date of April 9:— Very little business doing this week, and at the moment there is no disposition to buy or sell. Dolcoaths are about 15s. for the fully-pa'd shares; the partly paid are nominally 4s. Quotations herewith:
—Blue Hills, 1s. to 2s.; Barset Mines, 1 to 1½; Cara Brea, ½ to ½; Dolcoath (fully paid), 14s. 6d. to 15s. 6d.; ditto (5s. paid), 3s. 6d. to 4s. 6d.; East Pool, 2½ to 3; Killifreth, 6s. to 7s.; Polberro, ½ to ½; South Crofty, ½ to ½; Tincroft, ½ to 1; West Kitty, ½ to 2½; Wheal Grenville, 6 to 6½; Wheal Kitty, ½ to ½; Wheal Metal (3s. paid), 3s. 6d. to 4s. Tin, 60½.

MANCHESTER.

MANCHESTER.

Messrs. JOSEPH R. and W. P. BAINES, Stock and Share Brokers, Queen's Chambers, 7, Market-street, write, April 9 (0000):— Although last week we wrote a day earlier than usual, we can hardly consider Thursday last in the period we have now to notice, as Thursday was just in front of the holidays, and there was no disposition to enter into new business before the long Easter holiday. We need not go into details this week, but content ourselves with giving the changes in fall, rails and others alike. We may premise that all home rails are better, some of them very distinctly so. Canadians a bit contradictory, but advances in majority. Americans, though changed in New York, whilst markets on this side were closed, show but little variation from prices of last week. Changes in full as follows, rails included;—

ENGLISH RAILWAYS.—Higher: Caledonian, 2; ditto Deferred, 1; Great Eastern, 1½; Great Northern A, 2; Great Western, 1½; Luncashire and Yorkshire, ½; London, Brighton, and South Coast Deferred, 1½; Lundon, Chatham, and Dover, ½; London and North Western, 1½; Sheffield Deferred, 1; Metropolitan District, ½; Midland, 2; North British New Ordinary, ½; North Eastern Consols, 3½; South Eastern Deferred, 1.

CANADIAN, AMERICAN, AND FORRIGN.—Higher: Canadian Pacific, 3½; Grand Trunk of Canada, 5½; ditto Guaranteed, 5½; ditto Third Preference, 8½; Central Pacific, 81; Chicago, Milwaukee, and 84; Paul, 8½; Denver and Rio Grande Preference, 8½; citto Third Preference, 8½; Contral Pacific, 81; New York, Pennsylvania, and Ohlo First Mortgage, 8½.—Lower: Mexican rails, 8½; ditto First Preference, 8½; Contral Pacific, 81; New York, Pennsylvania, and Ohlo First Mortgage, 8½.—Lower: Mexican rails, 8½; ditto First Preference, 8½; Contral Pacific, 81; New York, Pennsylvania, and Ohlo First Mortgage, 8½.—Lower: Mexican rails, 8½; ditto First Preference, 8½; Contral Pacific, 81; New York, Pennsylvania, and Ohlo First Mortgage, 8½.—Lower: Mexican rails, 8½; ditto First Preference, 8½; New And Bebenture, 8½; Nordolkann P Messrs. JOSEPH R. and W. P BAINES, Stock and Share Brokers,

Urognay Three and a-ttait per cents, the per cents of the per cents

Union Marine, 1-16.
COAL, IRON, &C.—Higher: Ashbury's, 2; R. Evans A, ½ to ½.—
Lower: Bolckow Vaughan (partly paid), ½; Rhymney New, 1s. to 2s.
TELEGRAPHS AND TELEPHONES.—Higher: Anglo-American
Preference, ½; National Telephone 1st Preference, ½.
BREWERIES.—Higher: Bent's, ½; Taylor's Eagle, ½; Thelfall's, ½;

BREWERIES.—Higher: Bent's, \(\frac{1}{2}\); Taylor's Eagle, \(\frac{1}{4}\); Thelfall's, \(\frac{1}{2}\); ditto Preference, \(\frac{1}{4}\).

MISCELLANEOUS.—Higher: Coat's, \(\frac{1}{4}\); Earle's Shipbuilding, \(\frac{1}{4}\); Keliner Partington, \(\frac{1}{4}\); Manchester Carriage B, \(\frac{1}{4}\); Gas Light A, \(\frac{3}{4}\); Northern Assets, 1-. 6d.—Lower: Bovril, 1; Cunard Steam, \(\frac{1}{4}\); Manchester Trus, 6d.: Manchester Ship Canal Ordinary, 1-16 to \(\frac{1}{4}\); ditto Preference, 1-16.

LATER (4 P.M.)—Home rails again generally better, but do not in all cases maintain best prices touched. However, with traffics coming out as they have done and the extreme cheapness of money this department bids fair for further substantial rise. Americans have lost ground rather to-day, the declines ranging from \(\frac{3}{4}\); to \(\frac{3}{4}\). Canadians have not come in for much, if any, alteration, neither have Mexicans.

SCOTCH MINING AND INDUSTRIAL COMPANIES SHARE MARKETS.

STIRLING .- Mr. J. GRANT MACLEAN, Stockbroker and Ironbroker (April 9), writes:—Since last report (April 1) there has been little business doing, owing to the intervening Easter holidays, but prices have generally improved.

nares of coal, iron, and steel companies prices are steady. The Marbella output for March has been 3591 tons. Steel Company B Debentures offered. Niddrie and Benhar are at 40s, 6d., and Stewart and Clydesdale 11.

and Clydesdale 11.

In shares of copper concerns prices are slightly better. Arisona have sold from 46s. to 48s., Mason 61s. 63., Tinto from 18½ to 18 13-16, and Tharsis from 108s. to 109s. 6d.

In shares of gold and silver mines a fair amount of business has been done, and prices are generally higher, owing to the satisfactory crushing returns both from the Indian and South African mines. Chartered improved from 78s. 9d. to 87s. 6d., and are now about 2s. 6d. East Rand improved from 5t 6t 6t. and Randfon; in from Sast Rand improved from 63. 50. to 57s. 50., and are now about 83. 9d. East Rand improved from 63 to 63, 6d. De Beers, Consolidated Gold Fields, and other leading shares have also improved. Aurora West United are at 27s. 6d.; African Estates, 43s. 9d.; Anglo French Exploration, 97s. 6d.; Associated W.A., 43s. 9d.; African Recovery, 32s. 6d.; Afrikander, 25s.; Bayley's Reward, 5s. 6d.; Ronanza, 56s. 2d. Afrikander, 25s.; Bayley's Reward, 5s. 6d.; Bonanze, 56s. 3d.; Broken Hill, 46s. 3d.; Consolidated W.A., 15s.; Crossas South, 25s.; Charterland, 15s.; Doornkop, 4s. 6d.; Emms, 2s. 3d.; Graskop, 5s. 6d.; Golden Arrow, 10s.; Gold Fields of Mozambique, 22s. 6d.; Gem of Cue, 2s. 9d.; Gondalozzar, 2s. 9d.; Hit or Miss, 30s.; Hauraki, 16s. 6d.; Hannan's Golden Group, 26s. 3d.; Hannan's Golden Treasure, 26s. 3d.; Hainault, 33s.; Hampton Gold Hill, 1s. 6d.; Joo's Reef, 6s. 3d.; Kathleen, 4s. 3d.; Londonderry Consols, 2s. 9d.; Lajonaga's Vlai 19s. 6d.; Lishon 7s. 6d.; Marchison, Marchi In 6d.; Joe's Reef, 5s. 3d.; Kathleen, 4s. 3d.; Londonderry Consols, 2s, 9d.; Laipaard's Viei, 19s. 6d.; Lisbon, 7s. 6d.; Murchison New Chum, 9s.; Masbonaland Agency, 50s.; Ouro Pretr, 22s. 6d.; Criont, 42s. 6d.; Criont, 9s. 6d.; Paddington Corsols, 27s. 6d.; Rhodesian Mining and Finance, 17s. 6d.; Bobinson Randfontein, 33s.; Rothery Block, 8s.; Bhodesian Exploration, 74; Rhodesia (Limited), 22s. 6d.; St. Augustine, 10s. 3d.; South Londonderry, 2s. 3d.; Spes Bona, 8s. 9d.; Torva Exploring, 22s. 6d.; Violet, 13s. 9d.; Victory, 1s. 6d.; Wealth of Nations Extended, 26s. 3d.; and Wentwoth, 24s. In shares of miscellaneous companies there is not much alteration to notice. In oil companies Broxbarn are at 10; Pumpherston, 7; and Young's 30s. 9d. Cheshire Alkali and Salt Preferred are at 27s. 6d. Nobel's Dynamite improved on dividend rumours from 15 5-16 to 164, and are now 15 15-16.

EDINBURGH.

Messrs. Thomas Miller and Sons, Stock and Share Brokers, 69, Hanover-street, Edinburgh, report as follows under date of April 9:—The home railway market since the holidays has shown a general improving tendency, and advances in ordinary stocks have taken place varying from ½ to 2½; London, Chatham, and Dover Second Preference has risen from 63 to 68; Canadians and Americans are not much changed. In insurance shares, Caledonian have advanced 27½ to 28½; English and Scottish Law Life from 12 7-16 to 12½; Liverpool, London, and Globe from 52½ to 52½; North British and Mercantile from 40½ to 40½; Thames and Mersey from 1½ to 11 11-16. In banks, Bank of Scotland have improved from 352 to 354; British Linen from 402 to 406. The stocks of some of the financial companies have been wanted at higher prices. Marbella Iron Ore have risen from 402, 61, to 434.; Stocks from 972, to 993.; Arizona Copper are 24.3d, higher at 484. 3d.; Cakbank Oil 5s, higher at 6s,; Edinburgh United Breweries 7s, 6d, higher at 11½.; Noble Warrants 12s, 6d, higher at 16. Messrs. THOMAS MILLER and Sons, Stock and Share Brokers, 69

SOUTH AUSTRALIAN LETTER.

(FROM OUR OWN CORRESPONDENT.)

ADELATDE, MARCH 4. DELATE, MARCH 4.

RURTHER developments and fresh discoveries are showing, beyond doubt, that South Australia is as well deserving of exploiting for gold as any other portion of this great Island Continent. In many places increased energy is being displayed in the search for the royal metal, and it is satisfactory to know that these renewed efforts are meeting with the success they deserve. It is no infrequent thing to see rich specimens brought in from some new discovery, or, perhaps, from some old mine that has been abandoned for years, but which has been taken up again by a for meetical and

specimens brought in that has been abandoned for years, but which has been taken up again by a few practical and energetic men with faith in the auriferous wealth of the colony.

The Blumberg and Mount Pleasant districts, comprising an area of about 80 square miles, are rich in gold, both reef and alluvial; the latter has been occasionally—not infrequently—found in considerable quantities, but recent discoveries show that the more permanent form of mining, working the reefs, is likely to be attended with great success. The want of sufficient capital to sink deep enough, and to provide requisite machinery, has always been the great drawback to gold mining in South Australia, but now we have a few of our mines yielding such good returns that no one need fear to venture investing in them. The Black Snake Mine, which has lately been taken up by an English company, whose manager has commenced operations, is English company, whose manager has commenced operations, is by no means one of the rich mines of the district; nevertheless the area of land is considerable, and the auriferous lode fairly wide, and is estimated to yield an average return of 12 dwts. of gold per ton of veinstone, which should leave a substantial profit. Some 15 years ago a grand discovery of alluvial gold was made on a block of land not very far from the Black Snake, and known as Scott's Section. About £2000 worth of gold was dug out from an area of not more than 20 acres, and within a spade's depth of the surface. A company purchased the land—about 80 acres in all—and spent to find a reef. In this pany purchased the land—about 80 acres in all—and spent many hundreds of pounds, to say the least, in endeavouring to find a reef. In this they were unsuccessful, but within the past few months the reef has been discovered and has proved very rich. Just now about a hundred beautiful specimens from the depth of 35 feet in the shaft, where the lode is 4 feet wide, are being exhibited in Adelaide. The quartz is for the most part white, but of a very kindly nature for carrying gold, and is really thickly-studded with beautiful bright gold. Nothing superior has been shown from West Australia. This locality is about two miles from with beautiful bright gold. Nothing superior has been snown from West Australia. This locality is about two miles from that mentioned, I think, in my last letter, where gold is being dollied out at the rate of over 6 ounces per ton, and fully as much left in the tailings. I have just been shown some fine specimens from Hamblin's Freehold on the old Barossa gold field. Other mines in that neighbourhood are also turning out.

well.

The Kirkeek's Treasure Mine, at Nillinghoo, is still looking well, and great hopes are entertained for its future. Two or three other mines in the north are being satisfactorily developed; but one in particular at Wadnaminga is turning out a quantity of magnificent specimens, such as few mines in West Australia can surpass. At the same time the average veinstone in this mine is very payable, being estimated as worth fully 2 ounces of gold per ton. The lode has been proved by the sinking of three shafts on the underlay, the deepest being 140 feet, and the thickness of the lode about 3 feet to 3 feet 6 inches.

MR. FRANCIS HART, of the West Australian Press Agency, Exchange Club Buildings, Perth, Western Australia, informs us that he is about to pay a visit to England, where he intends delivering a series of illustrated lectures in various parts of the United Kingdom on mining in Western Australia. Mr. Hart is eminently qualified for this; and, as he is acquainted with every gold field of the colony, no doubt his lectures wil be well attended by enthusiasts, and all who are interested in mining in this wonderfully promising country. It is also his intention to e-tablish in London a West Australian bureau of information on the lines of that which he has conducted in Melbourne under Government auspices. Mr. Hart is the author of the official handbook to the colony, which was issued by the Government, whilst, in addition, he has written several pamphlets on the colony's resources. He has just returned from a lengthy tour around the Coolgardie gold mines, and as a result of his experience has contributed several articles of interest to various Australian papers. As a matter of fact, as a result of these articles he has been offered a membership of the Australian Institute of Mining Engineers and a fellowship of the Geological Society of Australasia. Mr. Hart's literary achievements, however, are not confined to treatises on the mining and hombile. MR. FRANCIS HART, of the West Australian Press Agency, Extenowenip of the Geological Society of Australasia. Mr. Hart's literary achievements, however, are not confined to treatises on the mineral resources of Western Australia. He has made an humble incursion into the domain of poetry as the author of the Australian National Anthem, "Unfarl the Flag," and other songs.

PECK'S EXPORT PURCHASE INDEX.—This is a useful publication, emanating from Messre. W. E. Peck and Co., of New York, which is intended to serve as a general index to the manufactured articles of the United States which are suitable for exportation. Te of the United States which are suitable for exportation. I emethod observed in compiling the catalogue is a very good one. There is first an "article index," which refers the reader to the various sections of the book, in which each article is printed against the names of the oblef manufacturers, and in many cases admirably illustrated by cuts. The intending purchaser in England is thus able in a moment to put his finger upon the most promising source whence to derive any article he may be in use of, and given a propensity on the part of the British public to purchase their steam engines and baby carriages in America. The index should he a very useful one.

steam engines and baby carriages in America. The index should be a very useful one.

GELDENRUIS ESTATE AND GOLD MINING COMPANY (LIMITED).

--The next ordinary annual general meeting of the above-named company will be held at the offices of the company, Johannesburg, on Wadnesdaw May 11 1202. on Wednesday, May 13, 1896.

THE INSTITUTION OF MINING AND METALLURGY.—The sixth ordinary meeting of the fifth session will be held next Wednesday, in the Lecture Theatre of the Geological Museum, Jermyn-street, S.W., at eight o'clock, when the following paper will be read...
"Transmission of Power by Compressed Air at the North Star Mine,
Grass Valley, California," by Mr. P. B. Bobert (Member).

JOHANNESBURG NOTES.

By H. BUSH M.E.

NEW MIDAS ESTATE.

The 20 stamp battery is capable of treating nearly 2000 tons monthly, which should give close upon 4000 ounces, with probable profits equal to over £8000 per month. The amount of ore opened up exceeds 10,000 tons, with an average value of from 30 dwts. to 2 ounces per ton.

HEIDELBURG.

Properties in this district are coming very much into favour.

Developments which are going on give prospects of highly remunerative returns, and it is now certain that the future of this district is assured. WOLHUTER.

This mine is undoubtedly one of the best developed on the Rand, and the amount of ore in sight is considerable. Share at their present figure are exceedingly cheap, and should be bought for an important rise.

BUFFELSKLOFF.

Good progress is being made on this property, and the rees are being opened up in every direction with favourable result.

There is a good future in store for this mine. BUFFELSDOORN.

Development shows very little improvement, and the extensive dyke matter is causing a great deal of difficulty. Work is suspended, and it will be some time before crushing is resumed. The prospects are anything but bright. REITFONTEIN.

REITFONTEIN.

In the lower workings the reefs show considerable improvement, and have the appearance of more permanency than at any other time, and the other prospects are exceedingly good, as there are some very thick patches being met with. It is probable these shares will see another advance shortly.

JUMPERS.

The present price of shares is very low, when the value of this property is taken into consideration, and a purchase will bring in handsome profits.

WHITE ROSE

As there seems to be a possibility of this property starting active operations, I strongly advise watching these shares. There is no question as to the value of the reefs, and in spite There is no question as to the value of the reefs, and in spits of all adverse criticism, when development goes ahead, the property will speak for itself. There are few reefs on the whole of the West Rand that will give such good results over the plates. The present price of shares is out of all reason, considering the amount of working capital to the credit of the company, Holders will do well by averaging their shares, as it is absolutely certain there must be an enhancement in their value before many wasks.

NEW ORION.

Prospecting to pick up the lost reef is going on actively, and indications are very favourable so far.

ROBINSON DIAMONDS. The capital of this company is to be increased from £400,000 to £450,000. The new shares are to be offered to shareholders to £450,000. The new shares are to be offered to shareholders at 40s., the shares being guaranteed by Mr. J. B. Robinson and the other members of the board. In consideration of their guaranteeing the issue, they will have the right to call a further 50,000 shares at 40s. for 12 months, and for this purpose the capital will be further increased to £550,000. I strongly recommend leaving this business severely alone.

SHEBA.

The output from this mine more than maintains its high figure, but the public must not place too great a reliance in a continuance of the same, as there are rumours that the output will exhibit a falling off.

INDIAN MINES' OUTPUT FOR MARCH.

URING last month the output of the mines in Mysore, was
25,470 ounces, showing a decrease of 2038 ounces as compared
with the preceding month, and an increase of 5213 ounces as
compared with the corresponding month of 1895. The production
since the beginning of 1892 has been as follows:—
1891. 1895. 1894.

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January	11,674	***	9004		9.00 000		19,67		00.44
February	11,780		16,68				19,38		27,80
March	11,579		17.46				20,20		25,47
April	11,813		18,28				20,39		-
May	12,488		17,92				20,79		_
Jane	11,847		16,87				20,83		conti
Jaly	13,277		16,67				19,28		-
August	14,854		16,69		80.00		20,70		460
September	5,529		17,06				21,50		-
October	15,922		17,44		19,11		22,30		-
November	15,942		17,55		18,82		22,54		coats.
December	16,435		17,65		19,06		22,65		-
			-	_		_		_	-
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Mysore Champion Rec	. 6,036 . 5,699 .f 6,204	***	6,045 6,029 6,228	6	,207 ,123 ,237	6,180 6,341 6,29	10	5,170 ,145† 5,304	6,05 6,5.5
Mysore Champion Red Nundydroog	. 6,036 . 5,699 ef 6,204 3,295	***	6,045 6,029 6,228 3,315	6 6	,207 ,123 ,237 ,321	6,180 6,341 6,29 3,323	10, 1 (3	3,170 ,145† 3,304 781‡	6,05 8,93 6,53
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WEST RAND MINES (LIMITED).

An extraordinary general meeting of the West Band Mines (Limited) was held at Bettelheim buildings, Johannesburg, or Tuceday, March 10, for the purpose of considering and adopting Tuesday, March 10, for the purpose of considering and adepting entirely new Articles of Association in place of those existing. Mr. Julius Berlein took the chair, and 228,636 shares were represented out of 400,000.—The Chairman said they had heard from the solice read that the object of the meeting was to secore a new trust deed. From very small beginnings the company had gone on increasing its operations, and the directors found that it was necessary to have a new trust deed to suit their altered circumstances. Their trust deed had already had to be amended, and five or six additions hid to be made to it. As evidence that the shareholders were of the As evidence that the shareholders were to be made to it. same opinion as the directors, there was the fact that the holds of 228,636 shares had declared in favour of the change, and he believed that all the shareholders were in favour of the new Articles. of Association which had been lying at the offices of for inspection.—The resolution submitted was adopted,

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WANTED.

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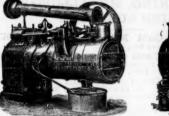
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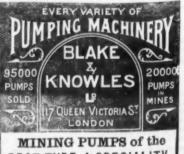
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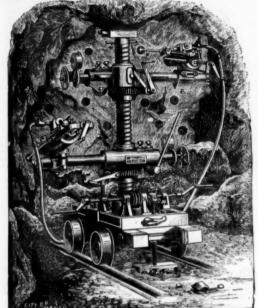
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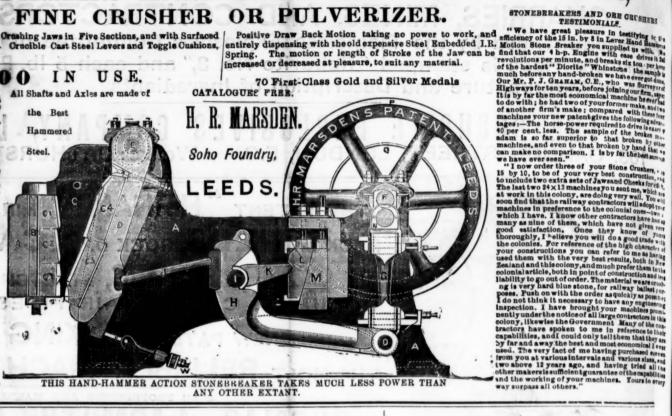
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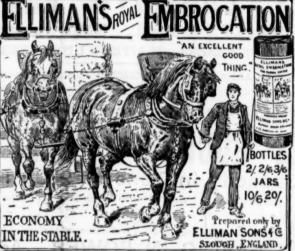
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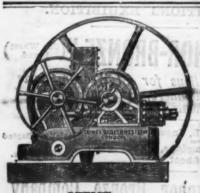
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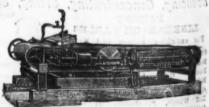
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